UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

MAR 31 2015

CERTIFIED MAIL - RETURN RECEIPT REQUESTED: 7014 0150 0000 2453 8851

Mr. Robert Riemer
Senior Vice President, Terminal Services & Regulatory Affairs
HFOTCO LLC dba Houston Fuel Oil Terminal Company
16642 Jacintoport Blvd
Houston, TX 77015

Re: Request for Information pursuant to the Clean Air Act
HFOTCO LLC – Houston Fuel Oil Terminal

Dear Mr. Riemer:

Enclosed is an Information Request (Request) issued to HFOTCO LLC ("HFOTCO") relating to its residual oil storage terminal, under the authority of Section 114 of the Clean Air Act (CAA), 42 U.S.C. § 7414. The purpose of this Request is to obtain information necessary to determine HFOTCO's compliance with the Clean Air Act.

Please mail your response to Mr. Craig Lutz, at the above address (Mail Code 6EN-AA), within fifteen (15) days of your receipt of this letter, unless otherwise noted in the enclosure to this letter. If you need more time, EPA may grant an extension for cause upon written request.

If you have any questions, need to request an extension, or wish to schedule a meeting to discuss this Request, please contact Mr. Lutz, Environmental Engineer, at (214) 665-2190, or the attorney assigned to this case, Mr. Justin Lannen, at (214) 665-8130.

Sincerely,

John Blevins
Director
Compliance Assurance and
Enforcement Division

Enclosure

cc: Michael de la Cruz, Manager, Air Enforcement Section
Texas Commission on Environmental Quality

ENCLOSURE
INFORMATION REQUEST
for
HFOTCO LLC DBA HOUSTON FUEL OIL TERMINAL COMPANY
PART 1 OF 4
AUTHORITY, INSTRUCTIONS, & DEFINITIONS

AUTHORITY

The U.S. Environmental Protection Agency (EPA) Region 6 is issuing this request for information ("Request") to HFOTCO LLC dba Houston Fuel Oil Terminal Company ("HFOTCO") to provide certain information regarding its residual oil storage terminal (the "Facility"), located in Houston, Texas. This request is issued pursuant to Section 114(a) of the Clean Air Act (CAA), 42 U.S.C. § 7414(a), for the purpose of determining HFOTCO's compliance with the CAA. Section 114(a) authorizes the Administrator of EPA to require the submission of this information. The Administrator has delegated this authority to the Director of the Enforcement Division, EPA Region 6. Therefore, you are hereby required to provide responses to the questions and requested information regarding HFOTCO's Facility located in Houston, Texas, as identified in **PART 2** of this Enclosure.

EPA requires HFOTCO to submit the information requested no later than fifteen (15) calendar days after receipt of this letter. If information or documents not known or not available to you as of the date of submission of a response to the Request should later become known or available to you, you must supplement your response to EPA. Moreover, should you find, at any time after the submission of your response, that any portion of the submitted information is false or misrepresents the truth, you must notify EPA of this fact as soon as possible and provide EPA with a corrected response. There are significant penalties for submitting false information, including the possibility of fine or imprisonment.

This Request is not subject to the Paperwork Reduction Act, 44 U.S. C. § 3501 et seq., because it seeks collection of information from specific individuals or entities as part of an administrative action or investigation.

Please be advised that failure to provide the information required by this letter in a timely manner and in accordance with the Request may result in the initiation of a civil action pursuant to Section 113(b) of the CAA, 42 U.S.C. § 7413(b). In addition, Section 113(c) of the CAA provides criminal penalties for knowingly making any false statement or omission in any response required under the CAA. EPA may also seek criminal penalties from any person who knowingly alters, destroys, mutilates, conceals, covers up, falsifies, or makes a false entry in any record, document, or tangible object with the intent to impede, obstruct, or influence the investigation or proper administration of any matter within the jurisdiction of EPA or in relation to or contemplation of any such matter or case. *See* 18 U.S.C. §§ 1001, 1341, 1519.

HFOTCO INFORMATION REQUEST
PART 1: AUTHORITY, INSTRUCTIONS, & DEFINITIONS

Any information that you provide in response to the Request may be used in administrative, civil, and criminal proceedings. We request that a duly authorized officer or agent of HFOTCO certify your response to the Request by signing the enclosed Statement of Certification, provided in **PART 3**, and returning it with your response.

For claiming any information you provide as confidential business information, please see **PART 4**.

Please be advised that some companies may qualify as a "small business" under the Small Business Regulatory Enforcement and Fairness Act (SBREFA). To help small business owners assess their small business status, the U.S. Small Business Administration (SBA) has established a Table of Small Business Size Standards, which can be found at: http://www.sba.gov/sites/default/files/Size_Standards_Table.pdf. HFOTCO qualifies as a small business, please review the SBREFA Information Sheet designed to provide information on compliance assistance to entities that may qualify as small businesses as well as to inform them of their right to comment to the SBREFA Ombudsman concerning EPA enforcement activities. The SBREFA Information Sheet can be found at: http://www.epa.gov/compliance/ resources/ publications/incentives/smallbusiness/smallbusresources.pdf. Please be aware that SBREFA does not eliminate HFOTCO's responsibility to respond in a timely fashion to any complaint or information request that EPA may issue or other enforcement action that EPA may take, nor does SBREFA create any new rights or defenses under the law other than the right to comment to the SBREFA Ombudsman.

INSTRUCTIONS

1. Provide a separate narrative response to each question set forth in the Request.

2. Precede each answer with the number of the question to which it corresponds and at the end of each answer identify the person(s) that provided information that was used or considered in responding to that question, as well as each person that was consulted in the preparation of that response.

3. When a response is provided in the form of a number, specify the units of measure of the number in a precise manner.

4. For each question, identify each document consulted, examined, or referred to in the preparation of the response or that contains information responsive to the question, and provide a true and correct copy of each such document if not provided in response to another specific question.

5. Indicate on each document produced in response to the Request, or in some other reasonable manner, the number of the question to which the document corresponds.

6. Where documents or information necessary for a response are neither in your possession nor available to you, indicate in your response why such documents or information is not available or in your possession and identify any source that either possesses or is likely to possess such information.

DEFINITIONS

All terms used in the Request will have their ordinary meaning unless such terms are defined in the CAA, 42 U.S.C. § 7401 et seq., 40 C.F.R. Part 52 (which incorporates the Federally-approved State Implementation Plan), other CAA implementing regulations, or otherwise defined herein.

1. The term "HFOTCO" includes any officer, director, agent, or employee of HFOTCO LLC, including any merged, consolidated, or acquired predecessor or parent, subsidiary, division, or affiliate thereof.

2. The term "volatile organic compound" means any organic compound which participates in atmospheric photochemical reactions; or which is measured by a reference method, an equivalent method, or an alternative method, or which is determined by procedures specified under any subpart of 40 C.F.R. Part 60.

3. The term "hazardous air pollutant" shall means any air pollutant listed in or pursuant to Section 112(b) of the CAA.

4. The terms "person" or "persons" shall have the meaning set forth in Section 302(e) of the Act, 42 U.S.C. § 7602(e), and includes an individual, corporation, partnership, association, State, municipality, political subdivision of a State, and any agency, department, or instrumentality of the United States and any officer, agent or employee thereof.

5. Words in the masculine shall be construed in the feminine, and vice versa, and words in the singular shall be construed in the plural, and vice versa, where appropriate in the context of a particular question or questions.

ENCLOSURE
INFORMATION REQUEST
for
HFOTCO LLC

PART 2 OF 4
QUESTIONS AND INFORMATION SPECIFIC TO HFOTCO'S FACILITY

In accordance with that authority outlined in **Part 1** of this Enclosure, this Request pertains specifically to HFOTCO's oil storage facility, located at 16642 Jacintoport Blvd, Houston, Texas (the "Facility").

Please provide the following information for each fixed roof tank used for storage of residual fuel oil (*e.g.*, No. 6 oil) in the last three (3) years and associated control equipment, if so equipped:

1. Tank ID
2. Date of construction
3. Applicable regulation(s)
4. Permit, registration, or authorization
5. Emissions Point number
6. Tank dimensions, in feet
7. Tank capacity, in gallons
8. Annual throughput
9. Whether the tank shell is insulated or uninsulated.
10. Whether the tank roof is insulated or uninsulated.
11. The product currently in the tank, its True Vapor Pressure, and by what test method or published reference the vapor pressure was determined.
12. Any other type(s) of product (*e.g.*, residual fuel oil, lubricating oil, diesel fuel, etc.) that will or may be stored in the tank.

13. The type of organic liquid added to the residual fuel oil by the customer prior to storage at HFOTCO for flow enhancement, and any organic liquid added by the HFOTCO during storage.

14. Material Safety Data Sheet (MSDS) of the product in the tank.

15. Mechanism used to heat the contents of the tank.

16. Temperature of the stored material, in °F.

17. Location within the tank where the stored material's temperature is measured.

18. Typical temperature range of the product in the tank.

19. Whether the tank material is circulated or agitated and by what means.

20. If the tank emissions are routed to a closed vent system and control device, the name of the control device, a description of the control device, and the Emission Point Number (EPN).

21. The annual emissions of volatile organic compounds, the annual emissions of hazardous air pollutants, and a description of the method(s) used to calculate the emissions.

ENCLOSURE
INFORMATION REQUEST
for
HFOTCO LLC

PART 3 OF 4
STATEMENT OF CERTIFICATION FORM FOR DULY AUTHORIZED AGENT

STATEMENT OF CERTIFICATION

I certify under penalty of law that I have examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for knowingly submitting false statements and information, including the possibility of fines or imprisonment pursuant to Section 113(c)(2) of the Act, and 18 U.S.C. §§ 1001 and 1341.

_____
(Signature)

_____
(Title)

_____
(Date)

ENCLOSURE
INFORMATION REQUEST
for
HFOTCO LLC

PART 4 OF 4
CONFIDENTIAL BUSINESS INFORMATION (CBI) CLAIM ASSERTION & SUBSTANTIATION REQUIREMENTS

Assertion Requirements

You may assert a business confidentiality claim covering all or part of the information requested in response to this information request, as provided in 40 C.F.R. § 2.203(b). You may assert a business confidentiality claim covering such information by placing on (or attaching to) the information you desire to assert a confidentiality claim, at the time it is submitted to EPA, a cover sheet, stamped, or typed legend (or other suitable form of notice) employing language such as "trade secret," "proprietary," or "company confidential." Allegedly confidential portions of otherwise non-confidential documents should be clearly identified, and may be submitted separately to facilitate identification and handling by EPA. If confidential treatment is desired up until a certain date or until the occurrence of a certain event, the notice should state this.

Information covered by such a claim will be disclosed by EPA only to the extent, and by means of the procedures, set forth in Section 114(c) of the Clean Air Act (the Act) and 40 C.F.R. Part 2. EPA will construe the failure to furnish a confidentiality claim with your response to the attached letter as a waiver of that claim, and the information may be made available to the public without further notice to you. You should read 40 C.F.R. Part 2 carefully before asserting a business confidentiality claim, since certain categories of information are not properly the subject of a claim. Emission data is exempt from claims of confidentiality under Section 114 of the Act, and the emissions data that you provide may be made available to the public. Information subject to a business confidentiality claim is available to the public only to the extent allowed under 40 C.F.R. Part 2, Subpart B.

Substantiation Requirements

All confidentiality claims are subject to EPA verification in accordance with 40 C.F.R. Part 2, subpart B. The criteria for determining whether material claimed as confidential is entitled to such treatment are set forth at 40 C.F.R. §§ 2.208 and 2.301, which provide, in part, that you must satisfactorily show that you have taken reasonable measures to protect the confidentiality of the information and that you intend to continue to do so; that the information is not and has not been reasonably obtainable by legitimate means without your consent; and, that the disclosure of the information is likely to cause substantial harm to your business's competitive edge.

Pursuant to 40 C.F.R. Part 2, subpart B, EPA may at any time send you a letter asking you to substantiate fully your CBI claim. If you receive such a letter, you must provide EPA with a response within the number of days set forth in the EPA request letter. Failure to submit your

comments within that time would be regarded as a waiver of your confidentiality claim or claims, and EPA may release the information. If you receive such a letter, EPA will ask you to specify which portions of the information you consider confidential. You must be specific by page, paragraph, and sentence when identifying the information subject to your claim. Any information not specifically identified as subject to a confidentiality claim may be disclosed without further notice to you. For each item or class of information that you identify as being subject to CBI, you must answer the following questions, giving as much detail as possible, in accordance with 40 C.F.R. 2.204(e):

1. What specific portions of the information do you allege to be entitled to confidential treatment? For what period of time do you request that the information be maintained as confidential, e.g., until a certain date, until the occurrence of a specified event, or permanently? If the occurrence of a specific event will eliminate the need for confidentiality, please specify that event.

2. Information submitted to EPA becomes stale over time. Why should the information you claim as confidential be protected for the time period specified in your answer to question #1?

3. What measures have you taken to protect the information claimed as confidential? Have you disclosed the information to anyone other than a governmental body or someone who is bound by an agreement not to disclose the information further? If so, why should the information still be considered confidential?

4. Is the information contained in any publicly available material such as the Internet, publicly available databases, promotional publications, annual reports, or articles? Is there any means by which a member of the public could obtain access to the information? Is the information of a kind that you would customarily not release to the public?

5. Has any governmental body made a determination as to the confidentiality of the information? If so, please attach a copy of the determination.

6. For each category of information claimed as confidential, explain with specificity why release of the information is likely to cause substantial harm to your competitive position. Explain the specific nature of those harmful effects, why they should be viewed as substantial, and the causal relationship between disclosure and such harmful effects. How could your competitors make use of this information to your detriment?

7. Do you assert that the information is submitted on a voluntary or a mandatory basis? Please explain the reason for your assertion. If you assert that the information is voluntarily submitted information, explain whether and why disclosure of the information would tend to lessen the availability to EPA of similar information in the future.

8. Any other issue you deem relevant.

Please note that emission data provided under Section 114 of the Act, 42 U.S.C. § 7414, is not entitled to confidential treatment under 40 C.F.R. Part 2, subpart B. "Emission data" means, with reference to any source of emission of any substance into the air:

> (A) Information necessary to determine the identity, amount, frequency, concentration, or other characteristics (to the extent related to air quality) of any emission which has been emitted by the source (or of any pollutant resulting from any emission by the source), or any combination of the foregoing;
>
> (B) Information necessary to determine the identity, amount, frequency, concentration, or other characteristics (to the extent related to air quality) of the emissions which, under an applicable standard or limitation, the source was authorized to emit (including, to the extent necessary for such purposes, a description of the manner and rate of operation of the source); and
>
> (C) A general description of the location and nature of the source to the extent necessary to identify the source and to distinguish it from other sources (including, to the extent necessary for such purposes, a description of the device, installation, or operation constituting the source).

40 C.F.R. §§ 2.301(a)(2)(i)(A),(B) and (C).

If you receive a request for a substantiation letter from the EPA, you bear the burden of substantiating your confidentiality claim. Conclusory allegations will be given little or no weight in the determination. If you fail to claim the information as confidential, it may be made available to the public without further notice to you.

Please also note that broad, non-specific CBI claims will likely result in an immediate request from EPA for substantiation.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

August 24, 2012

CERTIFIED MAIL – RETURN RECEIPT REQUESTED: 7010 2780 0002 4356 4399

Mr. Carl Holley, Vice-President
Safety, Health, and Environmental and Regulatory Compliance
Intercontinental Terminals Company LLC
P.O. Box 698
Deer Park, Texas 77536-0698

Re: Information Request under Clean Air Act, Section 114
Intercontinental Terminals Company LLC, Deer Park, Texas Terminal

Dear Mr. Holley:

Enclosed is an Information Request (Request) issued to Intercontinental Terminals Company LLC (ITC) under the authority of Section 114 of the Clean Air Act (CAA). The purpose of this Request is to obtain information necessary to determine whether ITC is in compliance with provisions of the CAA at its Deer Park, Texas location. The Request contains detailed instructions, specific questions, and other relevant material for your use in responding to the Request.

Please provide the information within thirty (30) days of receipt of this letter to Mr. Daniel Hoyt (6EN-AS) at the above address. If you need additional time, EPA may grant an extension for cause, upon written request.

If you have any questions regarding the Request, please feel free to contact Mr. Hoyt of my staff at (214) 665-7326.

Sincerely,

Debra A. Griffin for

John Blevins
Director
Compliance Assurance and
Enforcement Division

Enclosure

cc: Ashley K. Wadick
Texas Commission on Environmental Quality, Region 12

Michael De La Cruz
Texas Commission on Environmental Quality

ENCLOSURE

INFORMATION REQUEST
To
INTERCONTINENTAL TERMINALS COMPANY LLC

PART 1 OF 4
AUTHORITY, INSTRUCTIONS, & DEFINITIONS

AUTHORITY

Pursuant to Section 114(a) of the Clean Air Act ("CAA"), 42 U.S.C. § 7414(a), the U.S. Environmental Protection Agency ("EPA") Region 6 is issuing this Information Request ("Request") to Intercontinental Terminals Company LLC ("ITC") for the purpose of determining ITC's compliance with the CAA at its Deer Park, Texas Terminal. Section 114(a) authorizes the Administrator of EPA to require the submission of this information. The Administrator has delegated this authority to the Director of the Compliance Assurance and Enforcement Division, EPA Region 6. Therefore, you are hereby required to provide responses to the questions and requested information regarding ITC's Deer Park Terminal located in Deer Park, Texas, as identified in **PART 2** of this Enclosure.

EPA requires ITC to submit the information requested no later than thirty (30) calendar days after your receipt of this letter. If information or documents not known or not available to you as of the date of submission of a response to this Request should later become known or available to you, you must supplement your response to EPA. Moreover, should you find, at any time after the submission of your response that any portion of the submitted information is false or misrepresents the truth, you must notify EPA of this fact as soon as possible and provide EPA with a corrected response. There are significant penalties for submitting false information, including the possibility of fine or imprisonment.

This request is not subject to the Paperwork Reduction Act, 44 U.S.C. § 3501 et seq., because it seeks collection of information from specific individuals or entities as part of an administrative action or investigation.

Please be advised that failure to provide the information requested in a timely manner and in accordance with this Request may result in the initiation of a civil action pursuant to Section 113(b) of the CAA, 42 U.S.C. § 7413(b). In addition, Section 113(c) of the CAA provides criminal penalties for knowingly making any false statements or omission in any response required under the CAA. EPA may also seek criminal penalties from any person who knowingly alters, destroys, mutilates, conceals, covers up, falsifies, or makes

a false entry in any record, document, or tangible object with the intent to impede, obstruct, or influence the investigation or proper administration of any matter within the jurisdiction of EPA or in relation to or contemplation of any such matter or case. *See* 18 U.S.C. §§ 1001, 1341, 1519.

Any information that you provide in response to the Request may be used in administrative, civil, and criminal proceedings. Therefore, a duly authorized officer or agent of ITC should certify your response to this information request by signing the enclosed Statement of Certification, provided in **PART 3**, and returning it with your response. For claiming any information you provide as confidential business information, please see **PART 4**.

INSTRUCTIONS

1. Provide a separate narrative response to each question and subpart of a question set forth in this Request.

2. Precede each answer with the number of the question to which it corresponds, and at the end of each answer, identify the person(s) who provided information that was used or considered in responding to that question, as well as each person who was consulted in the preparation of that response.

3. Indicate on each document produced in response to this Request, or in some other reasonable manner, the number of the question to which the document corresponds.

4. When a response is provided in the form of a number, specify the units of measure of the number in a precise manner.

5. Where documents or information necessary for a response are neither in your possession nor available to you, indicate in your response why such documents or information is not available or in your possession and identify any source that either possesses or is likely to possess such information.

6. When specific questions request data be provided in electronic form, the data and corresponding information should be provided in editable Excel or Lotus format, and not in image format. If Excel or Lotus formats are not available, then the format should allow for data to be used in calculations by a standard spreadsheet program such as Excel or Lotus.

7. For any individual document that would otherwise be provided in hard copy form, you have the option to provide the document in Portable Document Format (PDF), saved to a compact disc, rather than the hard copy.

a. Each document provided in PDF must still be provided in accordance with the instructions for submittal of documents outlined above (e.g., each PDF document should include all enclosures/attachments associated with the document, or a reference page added to indicate that a separate PDF document is provided as the enclosure/attachment so referenced).

b. For each compact disc containing PDF documents submitted in response to the Request, a table of contents for the PDF documents on individual or multiple discs must be provided so that each PDF document can be accurately identified in relation to your response to a specific question. In addition, each compact disc should be labeled appropriately (e.g., Disc 1 of 4 for Information Request Response, Date of ITC Response). This option does not include any "data" specifically covered in item 6 of these instructions, above.

c. For PDF submittals, please ensure that confidential business information and non-confidential information are submitted on separate disks. Please also mark each page that is confidential business information as such.

DEFINITIONS

All terms used in this Request will have their ordinary meaning unless such terms are defined in the CAA, 42 U.S.C. §§ 7401 *et seq.*, 40 C.F.R. Part 52 or other CAA implementing regulations. Definitional clarification is provided below:

1. The term "Air Pollution Control Equipment" or "APCE" shall mean any control device and/or equipment used to reduce the release of particulate matter and other pollutants to the atmosphere.

2. The terms "document" and "documents" shall mean any object that records, stores, or presents information, and includes writings of any kind, formal or informal, whether or not wholly or partially in handwriting, including documentation solely in electronic form, including by way of illustration and not by way of imitation, any invoice, manifest, bill of lading, receipt, endorsement, check, bank draft, canceled check, deposit slip, withdrawal slip, order, correspondence, record book, minutes, memorandum of telephone and other conversations, including meetings, agreements and the like, diary, calendar, desk pad, scrapbook, notebook, bulletin, circular, form, pamphlet, statement, journal, postcard, letter, telegram, telex, report, notice, message, email, analysis, comparison, graph, chart, interoffice or intraoffice communications, photostat or other copy of any documents, microfilm or other film record, any photograph, sound recording on any type of device, any punch card, disc or disc pack; any tape or other type of memory generally associated with computers and data

processing (together with the programming instructions and other written material necessary to use such punch card, disc, or disc pack, tape or other type of memory and together with printouts of such punch card, disc, or disc pack, tape or other type of memory); and (a) every copy of each document which is not an exact duplicate of a document which is produced, (b) every copy which has any writing, figure or notation, annotation or the like on it, (c) drafts, (d) attachments to or enclosures with any document, and (e) every document referred to in any other document.

3. The term "Emissions Unit" shall have the same meaning as defined at 40 C.F.R. §52.21(b)(7).

4. The term "ITC" includes any officer, director, agent, or employee of ITC, including any merged, consolidated, or acquired predecessor or parent, subsidiary, division, or affiliate thereof.

5. The terms "person" or "persons" shall have the meaning set forth in Section 302(e) of the CAA, 42 U.S.C. § 7602(e), and includes an individual, corporation, partnership, association, State, municipality, political subdivision of a State, and any agency, department, or instrumentality of the United States and any officer, agent or employee thereof

6. The terms "you" or "yours," as used in the questions below, refers to, and shall mean, the company or corporation with which each addressee of the attached Section 114 letter is affiliated, including its subsidiaries, division, affiliates, predecessors, successors, assigns, and its former and present officers, directors, agents, employees, representatives, attorneys, consultants, accountants and all other persons acting on its behalf.

7. Words in the masculine shall be construed in the feminine, and vice versa, and words in the singular shall be construed in the plural, and vice versa, where appropriate in the context of a particular question or questions.

ENCLOSURE

INFORMATION REQUEST
To
INTERCONTINENTAL TERMINALS COMPANY LLC

PART 2 OF 4
QUESTIONS AND INFORMATION SPECIFIC TO INTERCONTINENTAL TERMINALS COMPANY LLC, DEER PARK TERMINAL

In accordance with that authority outlined in Part 1 of this enclosure, this Request pertains specifically to ITC's Deer Park Terminal, as described below:

INTERCONTINENTAL TERMINALS COMPANY LLC, DEER PARK TERMINAL

Latitude 29° 44' 06'', Longitude 095° 05' 47''
Physical location: 1943 Battleground Road
Nearest City: Deer Park
County: Harris
State/Zip Code: TX/ 77571

The Intercontinental Terminals Company LLC Deer Park Terminal (the "Facility") contains emission units that emit or have the potential to emit pollutants subject to the requirements of the Clean Air Act. Accordingly, ITC must provide the following information regarding the Facility:

1. Provide a plot plan of the Facility layout, identifying the physical location and area of each source of air emissions at the Facility. Identify the air emissions sources on the plot plan by their emissions point number ("EPN") and facility identification number (FIN) from the associated Texas Commission on Environmental Quality ("TCEQ") air permits.

2. Provide a detailed narrative description of the current operations at the Facility, from introduction of raw material sequentially through disposition of products. Describe each process unit that produces air emissions and all associated APCE, in relation to the overall site operations. Describe the function of each process unit and describe the chemical or physical process occurring at each stage of the process. Also include the EPN and FIN from question #1 for each process unit which produces air emissions and all associated APCE, to tie the narrative description to the plot plan.

3. Provide up-to-date process flow diagrams of the Facility. On the diagrams, using a key for clarity purposes, identify each of the units listed in response to question #2 and question #7. The diagram must include all emissions units, continuous emissions monitoring systems ("CEMS"), and APCE.

4. Provide copies of all air permits to construct and air permits to operate issued to ITC for the Facility since January 1, 1995. These permits include, but are not limited to, New Source Review permits, Title V permits, permits by rule and standard permits, as well as associated approval letters from TCEQ. Include any revisions and amendments to the permits identified. Please provide a list identifying each permit by rule or standard permit claimed, referencing the associated EPN and FIN from question #1 above.

5. Provide copies of all applications submitted to the TCEQ or TCEQ's predecessor agency (e.g., Texas Natural Resource Conservation Commission, Texas Air Control Board, etc.) for an air permit to construct or air permit to operate since January 1, 1995. Include any project number assigned by TCEQ for the application.

6. Indicate the dates of initial construction and start-up of all tanks and loading/unloading equipment at the Facility, referencing the EPN and FIN from question #1. In addition, indicate the date of modification or permanent shutdown of any of the tanks and loading/unloading equipment identified. Identify the type of each tank, such as fixed roof or floating roof, and for each floating roof tank, indicate whether it is an internal or external floating roof tank and the types of primary seals and secondary seals (if present).

7. Provide a list of the APCE at the Facility and specify the following information for each separate control device:
    a. A detailed description including, but not limited to, the vendor, size, and related control efficiencies for different pollutants;
    b. The date and location the device was installed and the date it began operation;
    c. A list of the processes included in the response to question #2 that route process vents to the device;
    d. The pollutant(s) the device controls;
    e. The vendor guarantee for the control efficiency of the device, in relation to each pollutant;
    f. A description of the stack where treated gases from the device are vented to the atmosphere; and
    g. A description of pollutant monitoring systems (e.g., CEMS) and their location (e.g., on the exhaust stack) for the device.

8. Provide copies of the following air reports, pertaining to operations of the Facility, from January 1, 2008 to the present:
    a. Excess emissions reports;
    b. Emissions inventory reports; and
    c. Variances issued by a regulatory agency.

9. From January 1, 2008 to the present, for each air emissions source at the Facility, provide a list of the dates of all complete or partial air emissions testing for volatile organic compounds and hazardous air pollutants. Emissions testing includes, but is not limited to, compliance testing, engineering testing, and testing for general information. For each emissions test, provide a copy of the summary pages from each report, including the emission rates as well as all the operating parameters of the various process unit operations recorded during the tests, including, but not limited to, each of the emissions units throughput rates. Indicate whether each report was shared with the local or state permitting agency.

10. Provide the name and address of the party who should receive official correspondence on behalf of the Facility concerning this Request

11. Provide copies of each Title V deviation report and compliance certification submitted to the TCEQ under the requirements of 30 Texas Administrative Code (TAC), Chapter 122 from January 1, 2008 to the present.

12. Provide copies of all final records of reportable emissions events submitted to TCEQ as required by 30 TAC § 101.201 from January 1, 2008 to the present.

ENCLOSURE

INFORMATION REQUEST
To
INTERCONTINENTAL TERMINALS COMPANY LLC

PART 4 OF 4
CONFIDENTIAL BUSINESS INFORMATION (CBI) CLAIM ASSERTION & SUBSTANTIATION REQUIREMENTS

STATEMENT OF CERTIFICATION

I certify under penalty of law that I have examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for knowingly submitting false statements and information, including the possibility of fines or imprisonment pursuant to Section 113(c)(2) of the Act, and 18 U.S.C. §§ 1001 and 1341.

_____
(Signature)

_____
(Title)

_____
(Date)

Assertion Requirements

You may assert a business confidentiality claim covering all or part of the information requested in response to this information request, as provided in 40 C.F.R. § 2.203(b). You may assert a business confidentiality claim covering such information by placing on (or attaching to) the information you desire to assert a confidentiality claim, at the time it is submitted to EPA, a cover sheet, stamped, or typed legend (or other suitable form of notice) employing language such as "trade secret," "proprietary," or "company confidential." Allegedly confidential portions of otherwise non-confidential documents should be clearly identified, and may be submitted separately to facilitate identification and handling by EPA. If confidential treatment is desired up until a certain date or until the occurrence of a certain event, the notice should state this. Information covered by such a claim will be disclosed by EPA only to the extent, and by means of the procedures, set forth in Section 114(c) of the Clean Air Act (the Act) and 40 C.F.R. Part 2. EPA will construe the failure to furnish a confidentiality claim with your response to the attached letter as a waiver of that claim, and the information may be made available to the public without further notice to you. You should read 40 C.F.R. Part 2 carefully before asserting a business confidentiality claim, since certain categories of information are not properly the subject of a claim. Emission data is exempt from claims of confidentiality under Section 114 of the Act, and the emissions data that you provide may be made available to the public. Information subject to a business confidentiality claim is available to the public only to the extent allowed under 40 C.F.R. Part 2, Subpart B.

Substantiation Requirements

All confidentiality claims are subject to EPA verification in accordance with 40 C.F.R. Part 2, subpart B. The criteria for determining whether material claimed as confidential is entitled to such treatment are set forth at 40 C.F.R. §§ 2.208 and 2.301, which provide, in part, that you must satisfactorily show that you have taken reasonable measures to protect the confidentiality of the information and that you intend to continue to do so; that the information is not and has not been reasonably obtainable by legitimate means without your consent; and the disclosure of the information is likely to cause substantial harm to your business's competitive edge.

Pursuant to 40 C.F.R. Part 2, subpart B, EPA may at any time send you a letter asking you to substantiate fully your CBI claim. If you receive such a letter, you must provide EPA with a response within the number of days set forth in the EPA request letter. Failure to submit your comments within that time would be regarded as a waiver of your confidentiality claim or claims, and EPA may release the information. If you receive such a letter, EPA will ask you to specify which portions of the information you consider

confidential. You must be specific by page, paragraph, and sentence when identifying the information subject to your claim. Any information not specifically identified as subject to a confidentiality claim may be disclosed without further notice to you. For each item or class of information that you identify as being subject to CBI, you must answer the following questions, giving as much detail as possible, in accordance with 40 C.F.R. 2.204(e):

1. What specific portions of the information do you allege to be entitled to confidential treatment? For what period of time do you request that the information be maintained as confidential, e.g., until a certain date, until the occurrence of a specified event, or permanently? If the occurrence of a specific event will eliminate the need for confidentiality, please specify that event.

2. Information submitted to EPA becomes stale over time. Why should the information you claim as confidential be protected for the time period specified in your answer to question #1?

3. What measures have you taken to protect the information claimed as confidential? Have you disclosed the information to anyone other than a governmental body or someone who is bound by an agreement not to disclose the information further? If so, why should the information still be considered confidential?

4. Is the information contained in any publicly available material such as the Internet, publicly available databases, promotional publications, annual reports, or articles? Is there any means by which a member of the public could obtain access to the information? Is the information of a kind that you would customarily not release to the public?

5. Has any governmental body made a determination as to the confidentiality of the information? If so, please attach a copy of the determination.

6. For each category of information claimed as confidential, explain with specificity why release of the information is likely to cause substantial harm to your competitive position. Explain the specific nature of those harmful effects, why they should be viewed as substantial, and the causal relationship between disclosure and such harmful effects. How could your competitors make use of this information to your detriment?

7. Do you assert that the information is submitted on a voluntary or a mandatory basis? Please explain the reason for your assertion. If you assert that the information is voluntarily submitted information, explain whether and why disclosure of the information would tend to lessen the availability to EPA of similar information in the future.

8. Any other issue you deem relevant.

Please note that emission data provided under Section 114 of the Act, 42 U.S.C. § 7414, is not entitled to confidential treatment under 40 C.F.R. Part 2, subpart B. "Emission data" means, with reference to any source of emission of any substance into the air:

> (A) Information necessary to determine the identity, amount, frequency, concentration, or other characteristics (to the extent related to air quality) of any emission which has been emitted by the source (or of any pollutant resulting from any emission by the source), or any combination of the foregoing;
>
> (B) Information necessary to determine the identity, amount, frequency, concentration, or other characteristics (to the extent related to air quality) of the emissions which, under an applicable standard or limitation, the source was authorized to emit (including, to the extent necessary for such purposes, a description of the manner and rate of operation of the source); and
>
> (C) A general description of the location and nature of the source to the extent necessary to identify the source and to distinguish it from other sources (including, to the extent necessary for such purposes, a description of the device, installation, or operation constituting the source).

40 C.F.R. §§ 2.301(a)(2)(i)(A),(B) and (C).

If you receive a request for a substantiation letter from the EPA, you bear the burden of substantiating your confidentiality claim. Conclusory allegations will be given little or no weight in the determination. If you fail to claim the information as confidential, it may be made available to the public without further notice to you.

Please also note that broad, non-specific CBI claims will likely result in an immediate request from EPA for substantiation.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

August 24, 2012

CERTIFIED MAIL – RETURN RECEIPT REQUESTED: 7010 2780 0002 4356 4382

Mr. Lawrence Waldron
General Manager
Vopak Terminal Deer Park Inc.
2759 Independence Pkwy S.
La Porte, Texas 77571-9771

Re: Information Request under Clean Air Act, Section 114
Vopak Terminal Deer Park Inc. - Deer Park Terminal in Deer Park, Texas

Dear Mr. Waldron:

Enclosed is an Information Request (Request) issued to Vopak Terminal Deer Park Inc. (Vopak) under the authority of Section 114 of the Clean Air Act (CAA). The purpose of this Request is to obtain information necessary to determine whether Vopak is in compliance with provisions of the CAA at its Deer Park, Texas location. The Request contains detailed instructions, specific questions, and other relevant material for your use in responding to the Request.

Please provide the information within thirty (30) days of receipt of this letter to Mr. Daniel Hoyt (6EN-AS) at the above address. If you need additional time, EPA may grant an extension for cause, upon written request.

If you have any questions regarding the Request, please feel free to contact Mr. Hoyt, of my staff, at (214) 665-7326.

Sincerely,

Debra A. Griffin for

John Blevins
Director
Compliance Assurance and
Enforcement Division

Enclosure

cc: Ashley K. Wadick
Texas Commission on Environmental Quality, Region 12

Michael De La Cruz
Texas Commission on Environmental Quality

ENCLOSURE

INFORMATION REQUEST
To
VOPAK TERMINAL DEER PARK INC.

PART 1 OF 4
AUTHORITY, INSTRUCTIONS, & DEFINITIONS

AUTHORITY

Pursuant to Section 114(a) of the Clean Air Act (CAA), 42 U.S.C. § 7414(a), the U.S. Environmental Protection Agency (EPA) Region 6 is issuing this Information Request (Request) to Vopak Terminal Deer Park Inc. (Vopak) for the purpose of determining Vopak's compliance with the CAA at its Deer Park Terminal. Section 114(a) authorizes the Administrator of EPA to require the submission of this information. The Administrator has delegated this authority to the Director of the Compliance Assurance and Enforcement Division, EPA Region 6. Therefore, you are hereby required to provide responses to the questions and requested information regarding Vopak's Deer Park Terminal located in Deer Park, Texas, as identified in **PART 2** of this Enclosure.

EPA requires Vopak to submit the information requested no later than thirty (30) calendar days after your receipt of this letter. If information or documents not known or not available to you as of the date of submission of a response to this Request should later become known or available to you, you must supplement your response to EPA. Moreover, should you find, at any time after the submission of your response that any portion of the submitted information is false or misrepresents the truth, you must notify EPA of this fact as soon as possible and provide EPA with a corrected response. There are significant penalties for submitting false information, including the possibility of fine or imprisonment.

This Request is not subject to the Paperwork Reduction Act, 44 U.S.C. § 3501 et seq., because it seeks collection of information from specific individuals or entities as part of an administrative action or investigation.

Please be advised that failure to provide the information requested in a timely manner and in accordance with this Request may result in the initiation of a civil action pursuant to Section 113(b) of the CAA, 42 U.S.C. § 7413(b). In addition, Section 113(c) of the CAA provides criminal penalties for knowingly making any false statements or omission in any response required under the CAA. EPA may also seek criminal penalties from any person who knowingly alters, destroys, mutilates, conceals, covers up, falsifies, or makes a false entry in any record, document, or tangible object with the intent to impede, obstruct, or influence the investigation or proper administration of any matter within the

jurisdiction of EPA or in relation to or contemplation of any such matter or case. *See* 18 U.S.C. §§ 1001, 1341, 1519.

Any information that you provide in response to this Request may be used in administrative, civil, and criminal proceedings. Therefore, a duly authorized officer or agent of Vopak should certify your response to this Request by signing the enclosed Statement of Certification, provided in **PART 3**, and returning it with your response. For claiming any information you provide as confidential business information, please see **PART 4**.

INSTRUCTIONS

1. Provide a separate narrative response to each question and subpart of a question set forth in the Request.

2. Precede each answer with the number of the question to which it corresponds and at the end of each answer identify the person(s) who provided information that was used or considered in responding to that question, as well as each person who was consulted in the preparation of that response.

3. Indicate on each document produced in response to this Request, or in some other reasonable manner, the number of the question to which the document corresponds.

4. When a response is provided in the form of a number, specify the units of measure of the number in a precise manner.

5. Where documents or information necessary for a response are neither in your possession nor available to you, indicate in your response why such documents or information is not available or in your possession and identify any source that either possesses or is likely to possess such information.

6. When specific questions request data in electronic form to be provided, the data and corresponding information should be provided in editable Excel or Lotus format, and not in image format. If Excel or Lotus formats are not available, then the format should allow for data to be used in calculations by a standard spreadsheet program such as Excel or Lotus.

7. For any individual document that would otherwise be provided in hard copy form, you have the option to provide the document in Portable Document Format ("PDF"), saved to a compact disc, rather than hard copy.

a. Each document provided in PDF must still be provided in accordance with those instructions for submittal of documents as outlined above (e.g., each PDF document should include all enclosures/attachments associated with the document, or a reference page added to indicate that a separate PDF document is provided as the enclosure/attachment so referenced).

b. For each compact disc containing PDF documents submitted in response to the Request, a table of contents for the PDF documents on individual or multiple discs must be provided so that each PDF document can be accurately identified in relation to your response to a specific question. In addition, each compact disc should be labeled appropriately (e.g., Disc 1 of 4 for Information Request Response, Date of Vopak Response). This option does not include any "data" specifically covered in item 6 of these instructions, above.

c. For PDF submittals, please ensure that confidential business information and non-confidential information are submitted on separate disks. Please also mark each page that is confidential business information as such.

DEFINITIONS

All terms used in this Request will have their ordinary meaning unless such terms are defined in the CAA, 42 U.S.C. § 7401 *et seq.*, 40 C.F.R. Part 52, or other CAA implementing regulations. Definitional clarification is provided below:

1. The term "Air Pollution Control Equipment" or "APCE" shall mean any control device and/or equipment used to reduce the release of particulate matter and other pollutants to the atmosphere.

2. The terms "document" and "documents" shall mean any object that records, stores, or presents information, and includes writings of any kind, formal or informal, whether or not wholly or partially in handwriting, including documentation solely in electronic form, including by way of illustration and not by way of imitation, any invoice, manifest, bill of lading, receipt, endorsement, check, bank draft, canceled check, deposit slip, withdrawal slip, order, correspondence, record book, minutes, memorandum of telephone and other conversations, including meetings, agreements and the like, diary, calendar, desk pad, scrapbook, notebook, bulletin, circular, form, pamphlet, statement, journal, postcard, letter, telegram, telex, report, notice, message, email, analysis, comparison, graph, chart, interoffice or intraoffice communications, photostat or other copy of any documents, microfilm or other film record, any photograph, sound recording on any type of device, any punch card, disc or disc pack; any tape or other type of memory generally associated with computers and data

processing (together with the programming instructions and other written material necessary to use such punch card, disc, or disc pack, tape or other type of memory and together with printouts of such punch card, disc, or disc pack, tape or other type of memory); and (a) every copy of each document which is not an exact duplicate of a document which is produced, (b) every copy which has any writing, figure or notation, annotation or the like on it, (c) drafts, (d) attachments to or enclosures with any document, and (e) every document referred to in any other document.

3. The term "Emissions Unit" shall have the same meaning as defined at 40 C.F.R. §52.21(b)(7).

4. The terms "person" or "persons" shall have the meaning set forth in Section 302(e) of the Act, 42 U.S.C. § 7602(e), and includes an individual, corporation, partnership, association, State, municipality, political subdivision of a State, and any agency, department, or instrumentality of the United States and any officer, agent or employee thereof.

5. The term "Vopak" includes any officer, director, agent, or employee of Vopak, including any merged, consolidated, or acquired predecessor or parent, subsidiary, division, or affiliate thereof.

6. The terms "you" or "yours", as used in the questions below, refers to, and shall mean, the company or corporation with which each addressee of the attached Section 114 letter is affiliated, including its subsidiaries, division, affiliates, predecessors, successors, assigns, and its former and present officers, directors, agents, employees, representatives, attorneys, consultants, accountants and all other persons acting on its behalf.

7. Words in the masculine shall be construed in the feminine, and vice versa, and words in the singular shall be construed in the plural, and vice versa, where appropriate in the context of a particular question or questions.

ENCLOSURE

INFORMATION REQUEST
To
VOPAK TERMINAL DEER PARK INC.

PART 2 OF 4
QUESTIONS AND INFORMATION SPECIFIC TO VOPAK DEER PARK TERMINAL

In accordance with that authority outlined in Part 1 of this enclosure, this Request pertains specifically to Vopak's Deer Park Terminal, as described below:

VOPAK DEER PARK TERMINAL
Latitude 29° 44' 37'', Longitude 095° 05' 27''
Physical location: 2759 Independence Pkwy S
Nearest City: Deer Park
County: Harris
State/Zip Code: TX/ 77571-9771

The Vopak Deer Park Terminal (the "Facility") contains emission units that emit or have the potential to emit pollutants subject to the requirements of the Clean Air Act. Accordingly, Vopak must provide the following information regarding the Facility:

1. Provide a plot plan of the Facility layout, identifying the physical location and area of each source of air emissions at the Facility. Identify the air emissions sources on the plot plan by their emissions point number ("EPN") and facility identification number ("FIN") from the associated Texas Commission on Environmental Quality ("TCEQ") air permits.

2. Provide a detailed narrative description of the current processes at the Facility, from introduction of raw material sequentially through disposition of products. Describe each process unit that produces air emissions and all associated APCE, in relation to the overall site operations. Describe the function of each process unit and describe the chemical or physical process occurring at each stage of the process. Also include the EPN and FIN from question #1 for each process unit which produces air emissions and all associated APCE, to tie the narrative description to the plot plan.

3. Provide up-to-date process flow diagrams of the Facility. On the diagrams, using a key for clarity purposes, identify each of the units listed in response to question #2 and question #7. The diagram must include all emissions units, continuous emissions monitoring systems ("CEMS"), and APCE.

4. Provide copies of all air permits to construct and air permits to operate issued to Vopak for the Facility since January 1, 1995. These permits include, but are not limited to, New Source Review permits, Title V permits, permits by rule and standard permits, as well as associated approval letters from TCEQ. Include any revisions and amendments to the permits identified. Please provide a list identifying each permit by rule or standard permit claimed, referencing the associated EPN and FIN from question #1.

5. Provide copies of all applications submitted to the TCEQ or TCEQ's predecessor agency (e.g., Texas Natural Resource Conservation Commission, Texas Air Control Board, etc.) for an air permit to construct or air permit to operate since January 1, 1995. Include any project number assigned by TCEQ for the application.

6. Indicate the dates of initial construction and start-up of all tanks and loading/unloading equipment at the Facility, referencing the EPN and FIN from question #1. In addition, indicate the date of modification or permanent shutdown of any of the tanks and loading/unloading equipment identified. Identify the type of each tank, such as fixed roof or floating roof, and for each floating roof tank, indicate whether it is an internal or external floating roof tank and the types of primary seals and secondary seals (if present).

7. Provide a list of the APCE at the Facility and specify the following information for each separate control device:
    a. A detailed description including, but not limited to, the vendor, size, and related control efficiencies for different pollutants;
    b. The date and location the device was installed and the date it began operation;
    c. A list of the processes included in the response to question #2 that route process vents to the device;
    d. The pollutant(s) the device controls;
    e. The vendor guarantee for the control efficiency of the device, in relation to each pollutant;
    f. A description of the stack where treated gases from the device are vented to the atmosphere; and
    g. A description of pollutant monitoring systems (e.g., CEMS) and their location (e.g., on the exhaust stack) for the device.

8. Provide copies of the following air reports, pertaining to operations of the Facility, from January 1, 2008 to the present:
    a. Excess emissions reports;
    b. Emissions inventory reports; and
    c. Variances issued by a regulatory agency.

9. From January 1, 2008 to the present, for each air emissions source at the Facility, provide a list of the dates of all complete or partial air emissions testing for volatile organic compounds and hazardous air pollutants. Emissions testing includes, but is not limited to, compliance testing, engineering testing, and testing for general information. For each emission test, provide a copy of the summary pages from each report, including the emission rates as well as all the operating parameters of the various process unit operations recorded during the tests, including, but not limited, to each of the emissions units throughput rates. Indicate whether each report was shared with the local or state permitting agency.

10. Provide the name and address of the party who should receive official correspondence on behalf of the Facility concerning this Request.

11. Provide copies of each Title V deviation report and compliance certification submitted to the TCEQ under the requirements of 30 Texas Administrative Code (TAC), Chapter 122 from January 1, 2008 to the present.

12. Provide copies of all final records of reportable emissions events submitted to TCEQ, as required by 30 TAC § 101.201 from January 1, 2008 to the present.

ENCLOSURE

INFORMATION REQUEST
To
VOPAK TERMINAL DEER PARK INC.

PART 3 OF 4
STATEMENT OF CERTIFICATION FORM FOR DULY AUTHORIZED AGENT

STATEMENT OF CERTIFICATION

I certify under penalty of law that I have examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for knowingly submitting false statements and information, including the possibility of fines or imprisonment pursuant to Section 113(c)(2) of the Act, and 18 U.S.C. §§ 1001 and 1341.

_____
(Signature)

_____
(Title)

_____
(Date)

ENCLOSURE

INFORMATION REQUEST
To
VOPAK TERMINAL DEER PARK INC.

PART 4 OF 4
CONFIDENTIAL BUSINESS INFORMATION (CBI) CLAIM ASSERTION & SUBSTANTIATION REQUIREMENTS

Assertion Requirements

You may assert a business confidentiality claim covering all or part of the information requested in response to this information request, as provided in 40 C.F.R. § 2.203(b). You may assert a business confidentiality claim covering such information by placing on (or attaching to) the information you desire to assert a confidentiality claim, at the time it is submitted to EPA, a cover sheet, stamped, or typed legend (or other suitable form of notice) employing language such as "trade secret," "proprietary," or "company confidential." Allegedly confidential portions of otherwise non-confidential documents should be clearly identified, and may be submitted separately to facilitate identification and handling by EPA. If confidential treatment is desired up until a certain date or until the occurrence of a certain event, the notice should state this. Information covered by such a claim will be disclosed by EPA only to the extent, and by means of the procedures, set forth in Section 114(c) of the Clean Air Act (the Act) and 40 C.F.R. Part 2. EPA will construe the failure to furnish a confidentiality claim with your response to the attached letter as a waiver of that claim, and the information may be made available to the public without further notice to you. You should read 40 C.F.R. Part 2 carefully before asserting a business confidentiality claim, since certain categories of information are not properly the subject of a claim. Emission data is exempt from claims of confidentiality under Section 114 of the Act, and the emissions data that you provide may be made available to the public. Information subject to a business confidentiality claim is available to the public only to the extent allowed under 40 C.F.R. Part 2, Subpart B.

Substantiation Requirements

All confidentiality claims are subject to EPA verification in accordance with 40 C.F.R. Part 2, subpart B. The criteria for determining whether material claimed as confidential is entitled to such treatment are set forth at 40 C.F.R. §§ 2.208 and 2.301, which provide, in part, that you must satisfactorily show that you have taken reasonable measures to protect the confidentiality of the information and that you intend to continue to do so; that the information is not and has not been reasonably obtainable by legitimate means without your consent; and the disclosure of the information is likely to cause substantial harm to your business's competitive edge.

VOPAK INFORMATION REQUEST
PART 4: CBI CLAIM ASSERTION & SUBSTANTIATION REQUIREMENTS

Pursuant to 40 C.F.R. Part 2, subpart B, EPA may at any time send you a letter asking you to substantiate fully your CBI claim. If you receive such a letter, you must provide EPA with a response within the number of days set forth in the EPA request letter. Failure to submit your comments within that time would be regarded as a waiver of your confidentiality claim or claims, and EPA may release the information. If you receive such a letter, EPA will ask you to specify which portions of the information you consider confidential. You must be specific by page, paragraph, and sentence when identifying the information subject to your claim. Any information not specifically identified as subject to a confidentiality claim may be disclosed without further notice to you. For each item or class of information that you identify as being subject to CBI, you must answer the following questions, giving as much detail as possible, in accordance with 40 C.F.R. 2.204(e):

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2. Information submitted to EPA becomes stale over time. Why should the information you claim as confidential be protected for the time period specified in your answer to question #1?

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> (B) Information necessary to determine the identity, amount, frequency, concentration, or other characteristics (to the extent related to air quality) of the emissions which, under an applicable standard or limitation, the source was authorized to emit (including, to the extent necessary for such purposes, a description of the manner and rate of operation of the source); and
>
> (C) A general description of the location and nature of the source to the extent necessary to identify the source and to distinguish it from other sources (including, to the extent necessary for such purposes, a description of the device, installation, or operation constituting the source).

40 C.F.R. §§ 2.301(a)(2)(i)(A),(B) and (C).

If you receive a request for a substantiation letter from the EPA, you bear the burden of substantiating your confidentiality claim. Conclusory allegations will be given little or no weight in the determination. If you fail to claim the information as confidential, it may be made available to the public without further notice to you.

Please also note that broad, non-specific CBI claims will likely result in an immediate request from EPA for substantiation.

EPA United States Environmental Protection Agency

Region 6 Compliance Assurance and Enforcement Division

INSPECTION REPORT

Inspection Date(s):	8/3-5/2015	
Media:	Air	
Regulatory Program(s)	Title V, NESHAP, NSPS	
Company Name:	**Houston Fuel Oil Terminal Company**	
Facility Name:	**Houston Terminal**	
Facility Physical Location:	1201 S. Sheldon Road	
(city, state, zip code)	Houston, TX 77015	
Mailing address:	1201 S. Sheldon Road	
(city, state, zip code)	Houston, TX 77015	
County/Parish:	Harris County	
Facility Contact:	Nathaniel Grace	Director – HSSE & Regulatory Affairs
	ngrace@hfotco.com	
FRS Number:	110009780371	
Identification/Permit Number:	None	
Media Number:	AFS # 48-201-00356	
NAICS:	493110	
SIC:	4226	

Personnel participating in inspection:			
Craig Lutz	EPA 6EN-AT	Environmental Engineer	214-665-2190
Cary Secrest	EPA HQ	Environmental Protection Specialist	202-564-8661
Debbie Ford	EPA 6EN-AA	Environmental Scientist	214-665-7235
James Leathers	EPA 6EN-AT	Environmental Engineer	214-665-6569
Michael Blacksmith	HFOTCO	Environmental Coordinator	713-948-7535
Nathaniel Grace	HFOTCO	Dir.- HSSE & Regulatory Affairs	713-948-7540 281-638-4124
Shaun M. Revere	HFOTCO	Chief Executive Officer	713-948-7503
Mickey Franco	HFOTCO	Dir.- Terminal Services	713-948-7543
David Hoggatt	EnRUD Resources, Inc.	Project Scientist	713-943-1600 832-627-6941
Jonathan Stoffer	TCEQ/Reg. 12	Env. Investigator	713-767-3732
Seth Tate	TCEQ/Reg. 12	Env. Investigator	713-767-3619

EPA Lead Inspector Signature/Date	Craig Lutz Craig Lutz	Date 11-16-2015
Supervisor Signature/Date	Margaret Osbourne Margaret Osbourne	Date 11-16-2015

Section I - INTRODUCTION

PURPOSE OF THE INSPECTION

EPA Office of Enforcement and Compliance Assurance inspector Cary Secrest arrived at the Houston Fuel Oil Terminal Company Houston Terminal (HFOTC) at approximately 3:00 pm on 8/3/2015 for an announced inspection. Cary Secrest informed the facility that EPA Region 6 inspectors Craig Lutz, Debbie Ford, James Leathers and TCEQ Investigators Jonathan Stoffer and Seth Tate would be joining him the following morning for the opening conference.

On 8/4/2015 we met with HFOTC representatives Michael Blacksmith, Environmental Coordinator; Nathaniel Grace, Director- HSSE & Regulatory Affairs; Shaun Revere, Chief Executive Officer; and Mickey Franco, Director- Terminal Services; and HFOTC contractor David Hoggatt, EnRUD Resources, Inc. Project Scientist. Debbie Ford and I presented our credentials to Shaun Revere and informed him that this was an EPA inspection to evaluate compliance with the emission standards for storage tanks. The scope of the inspection is a Partial Compliance Evaluation and includes using the FLIR optical gas imaging camera and SUMMA canister (SUMMA) samples of tank head space to determine if the material stored in the tank is consistent with the tank emissions.

FACILITY DESCRIPTION

The Houston Fuel Oil Terminal Company facility is a contract terminal facility that leases tanks to store fuel oil and crude oil. The original South Terminal was built in 1979. The tanks in the North Terminal were built since 2010. Currently, the manned facility is comprised of over 100 tanks and operates 8,760 hours per year. Emissions from the facility are authorized under, among other permits, TCEQ NSR Permit No. 5783, dated October 9, 2014 and Federal Operating Permit No. O-0193, dated May 3, 2011.

Although tanks are leased for ten (10) year periods, the site has a lot of turnover of product. Some fuel oil at the site may be from nearby refineries, but the facility also contracts with third party customers who get fuel oil from refineries. Some tanks are aerated and some are mixed with cutter stock. Heated tanks are insulated.

Fuel oil can be known by several other names such as vacuum gas oil (VGO), No. 6 fuel oil, bunker oil or IF-380, vacuum tower bottoms (VTB). According to Michael Blacksmith, they receive Safety Data Sheets for each product received, and it may list twenty more acronyms for that product.

When the product is received at HFOTC, the leasing company hires a third party inspector to perform product testing to ensure the product meets HFOTC's fuel oil specifications. The inspector companies used are either Inspectorate, AmSpec, or Caleb Brett. The inspector company pulls a sample from the tank and provide a Certificate of Analysis for the product in the tank. According to HFOTC, the inspector company determines the testing parameters, not HFOTC.

None of the product in the tanks is owned by HFOTC. According to HFOTC, they would need permission to do confirmatory testing of the materials in the tanks, and as a result of their business practice they do no confirmatory testing of the materials in the tanks. Their knowledge of the products is limited to the inspector company testing.

The facility keeps a Daily Inventory of product in the tanks. According to HFOTC, they may receive fuel oil from a company, but once HFOTC adds cutter stock to meet the leasing company's specifications, HFOTC changes the name of the product on the daily inventory to "Cutter Stock." HFOTC said they incorporate this conservative business practice so that the highest vapor pressure material in the tank is used for determining tank emissions. Some of the products did not have an American Petroleum Institute (API) gravity on the Daily Report. This is one of the test parameters from the inspector company, and the gravity value is not available for 3-4 days until the results of the testing are received at HFOTC.

Section II – OBSERVATIONS

We were interested in sampling the headspace vapors of a tank that was static (no product moving into or out of the tank) and held product for less than one week. Tank 80-17 met this criteria and a headspace sample was collected. We planned to collect five additional ambient air SUMMA samples using PID readings downwind of the tanks to help identify Volatile Organic Compound (VOC) emissions sources. The PID reading downwind of the tanks would screen the large tank area and identify tanks of interest. Field conditions, specifically calm wind, factored into our decision to collect additional tank headspace vapor SUMMA samples rather than ambient air SUMMA samples. The additional tanks selected for SUMMA sampling were chosen in an effort to sample a range of tank product from a variety of tank customers. Prior to taking each SUMMA sample, David Hoggatt pulled headspace vapors through the sample line using a pump. He and Cary Secrest monitored the space near the pump outlet using a toxic vapor analyzer (TVA-1000B) until the flame ionization detector (FID) reading stabilized at which time, Cary Secrest and David Hoggatt each took SUMMA samples.

Table 1 – Inspection Activities

Time	Location Nbr. *(see Appendix 14)*	Description
August 4 (Tuesday)		
09:04	1	Set up meteorological (met) station at the dock area of the South Terminal. Cary Secrest confirmed that the auto compass was correct. Zeroed at 09:06 the three PhoCheck PIDs and synchronized the instruments' times with watches.
09:25	2	Tank 80-17 to sample headspace vapors. The end of the sample tubing was placed by Dave Hoggatt approximately 1 meter into the tank via the sampling hatch on the tank roof. Dave Hoggatt used an air pump to prime the sample tubing with the headspace vapors until a stable reading was obtained on EnRUD's TVA-1000B monitor. This procedure was used for all SUMMA samples. The TVA reading at location 2 stabilized at 350 ppm. Cary Secrest and Dave Hoggatt took samples for EPA (*see Appendices 12 and 13 – Sample ID HFO-1*) and EnRUD, respectively.
10:10	3	Moved met station to an area that was not blocked by equipment.
10:33	4	Determined background readings at upwind tank area containing Tanks 80-28 and 80-22.
	4a	Path noted by blue arrows. Background readings: 0.080 ppm.
	4b	Path noted by green arrows. Background readings: 0.000 ppm. Ended monitoring at 10:44. Returned to Training Center at North Terminal.
12:55	5	Tank 30-15 headspace vapor sampling. Cary Secrest and David Hoggatt took samples for EPA (*see Appendices 12 and 13 – Sample ID HFO-2*) and EnRUD, respectively.
13:33	6	Tank 100-21 headspace vapor sampling. David Hoggatt pulled headspace vapors, monitoring with a TVA-1000B until he obtained a stable reading of 3100 ppm. Cary Secrest and David Hoggatt took samples for EPA (*see Appendices 12 and 13 – Sample ID HFO-3*) and EnRUD, respectively.
14:35	7	Tank 80-34 headspace vapor sampling. David Hoggatt pulled headspace vapors, monitoring with a TVA-1000B until he obtained a stable reading of 750 ppm. Cary Secrest and David Hoggatt took samples for EPA (*see Appendices 12 and 13 – Sample ID HFO-4*) and EnRUD, respectively.
15:30	8	Tank 80-33 headspace vapor sampling. The steam line was open to the tank, and the tank was being heated at the time of our sampling. David Hoggatt pulled headspace vapors, monitoring with a TVA-1000B until he obtained a stable reading of 1.5%. Cary Secrest and David Hoggatt took samples for EPA (*see Appendices 12 and 13 – Sample ID HFO-5*) and EnRUD, respectively.
August 5 (Wednesday)		
09:25	9	Set up met station.
09:40	10	Tank 200-3 headspace vapor sampling. David Hoggatt pulled headspace vapors, monitoring with a TVA-1000B until he obtained a stable reading of 820 ppm. Cary Secrest and David Hoggatt took samples for EPA (*see Appendices 12 and 13 – Sample ID HFO-6*) and EnRUD, respectively.

Time	Location Nbr. *(see Appendix 14)*	Description
10:05	11	Tank 80-26 headspace vapor sampling. Cary Secrest decided not to do headspace sampling due to the low tank level (approximately 1 foot of product in the tank) and the reduced temperature since Tuesday (117°F on Tuesday, 94.5°F on Wednesday).

Table 2 – Tank Observations and SUMMA Canister Sample Summary

Tank ID	Tank Contents / Description *	Tank Temperature-Daily Inventory (Temp during inspection)	FLIR Video ID**	Emissions observed with FLIR?
	Sample ID	**Compound** (top 10 concentrations)	**Sample Results** (ppbv)	
80-17	IF-380 (Bunker Oil)	139.9°F	No Video	N/A
	1508007-01	Benzene	37,200	
		n-Hexane	42,200	
		Toluene	44,100	
		meta-/para-Xylene	45,800	
		1,2,4-Trimethylbenzene	56,000	
		Ethylbenzene	63,000	
		n-Heptane	75,400	
		ortho-Xylene	80,100	
		Toluene	167,000	
		meta-/para-Xylene	199,000	
30-15	Fuel Oil (Cutter Stock on Daily Inventory)	133.8 °F (122.4°F)	MOV_0478.mp4	No
	1508007-02	meta-/para-Xylene	5,930	
		ortho-Xylene	7,530	
		Benzene	10,900	
		Acetone	11,100	
		n-Hexane	12,500	
		1,2,4-Trimethylbenzene	13,800	
		n-Heptane	16,000	
		Toluene	17,100	
		meta-/para-Xylene	25,800	
		Acetone	26,500	
100-21	Fuel Oil (Cutter Stock on Daily Inventory)	119.2 °F (118.9°F)	MOV_0480.mp4	No
	1508007-03	1,3,5-Trimethylbenzene	72,400	
		n-Heptane	72,800	
		ortho-Xylene	90,100	
		n-Hexane	110,000	
		Cyclohexane	128,000	
		Toluene	178,000	

Tank ID	Tank Contents / Description *	Tank Temperature-Daily Inventory (Temp during inspection)	FLIR Video ID**	Emissions observed with FLIR?
	Sample ID	**Compound** (top 10 concentrations)	**Sample Results** (ppbv)	
		meta-/para-Xylene	189,000	
		1,2,4-Trimethylbenzene	225,000	
		n-Heptane	299,000	
		n-Hexane	389,000	
80-34	VGO	140.7 °F (107.1°F)	MOV_0483.mp4 MOV_0485.mp4 MOV_0486.mp4	Yes
	1508007-04	Cyclohexane	19,700	
		n-Hexane	19,900	
		Toluene	21,200	
		1,3,5-Trimethylbenzene	27,700	
		meta-/para-Xylene	31,800	
		ortho-Xylene	34,500	
		1,2,4-Trimethylbenzene	47,200	
		n-Heptane	55,900	
		Toluene	80,200	
		meta-/para-Xylene	138,000	
80-33	Fuel Oil on Tank 80-33 Tank Activity sheet *(see Appendix 6)* (Cutter Stock on Daily Inventory)	118.8°F (121.6°F) *Note: Tank heating was on at time of sampling*	MOV_0484.mp4 MOV_0489.mp4	Yes
	1508007-05	Toluene	366,000	
		1,3,5-Trimethylbenzene	392,000	
		meta-/para-Xylene	422,000	
		ortho-Xylene	424,000	
		Cyclohexane	612,000	
		1,2,4-Trimethylbenzene	655,000	
		n-Hexane	792,000	
		n-Heptane	1,160,000	
		Toluene	1,380,000	
		meta-/para-Xylene	1,830,000	
200-3	VGO	119.1 °F (121.1°F)	MOV_0490.mp4	No
	1508007-06	Benzene	10,200	
		Cyclohexane	10,500	
		n-Hexane	14,800	
		1,2,4-Trimethylbenzene	16,900	
		Propane &/or Propene	20,200	
		Isopropyl alcohol	23,100	
		Toluene	23,500	

Tank ID	Tank Contents / Description *	Tank Temperature-Daily Inventory (Temp during inspection)	FLIR Video ID**	Emissions observed with FLIR?
	Sample ID	**Compound** (top 10 concentrations)	**Sample Results** (ppbv)	
		meta-/para-Xylene	25,900	
		n-Heptane	39,300	
		n-Hexane	52,300	
80-32	LCO (Light Cycle Oil)	88.9 °F	MOV_0488.mp4	Yes
	No SUMMA taken			
400-9	Crude (WTI)	89.4 °F	MOV_0482.mp4	No
	No SUMMA taken			

Section III – AREAS OF CONCERN

1. We observed VOC emissions from Tanks 80-32, 80-33, and 80-34 using the FLIR IR Camera. The tanks were not in the process of filling when the observations were made. We would not expect to see VOC emissions coming from a tank containing low vapor pressure liquids that is not in the process of filling.

2. HFOTC does not have an audit policy in place to confirm tank product and consequently relies on customer reporting. Confirmatory testing by HFOTC would help to ensure HFOTC is in compliance with their air permit requirements. Since product names used by customers are not consistent and the tank products are not confirmed by the facility, it is a concern that HFOTC could unknowingly store a product with a higher vapor pressure resulting in greater tank emissions.

3. We reviewed the Daily Inventory (see Appendix 5), the Tank Activity (see Appendix 6), and the Certificates of Analysis associated with Tank 80-33 (see Appendices 7 and 8). Inconsistencies with the product name, headspace vapor characteristics, and API gravity is an area of concern. On 7/19/2015, HFOTC noted on the Tank 80-33 Activity sheet, an API gravity of 8.9, indicative of fuel oil. On 7/22/2015, HFOTC made a transfer of cutter stock from Tank 100-3 to Tank 80-33. According to the 7/7/2015 Certificate of Analysis for Tank 100-3, the API gravity of the cutter stock was 33.8. After the cutter stock transfer is made to Tank 80-33, the 7/22/2015 Certificate of Analysis for Tank 80-33 reported a 34.4 API gravity of the fuel oil/cutter stock mixture, which is higher than the API of the original cutter stock. Additional transfers of materials are made from 15 rail cars to tank 80-33 on 7/28-29/2015 increasing the API gravity of the tank to 37.0.

   James Leathers and Debbie Ford called HFOTC on 11/09/15 at 10:40 am and spoke with Nathaniel Grace and Michael Blacksmith to clarify the material transferred from the rail cars. Mr. Grace reported that the material transferred from the railcars was a blend of fuel oil and cutter stock. He reported that typically HFOTC places fuel oil into the tank and then adds cutter stock to the customer's specification. HFOTC reviewed the activity of Tank 80-33 after our inspection and realized that the cutter stock had been placed into the tank prior to adding the cutter stock/fuel oil blend from the railcars. He reported that they have addressed this deviation from normal procedures with their operations staff.

   Additionally, the Daily Inventory still did not have the 37 API gravity recorded for Tank 80-33 and at the time of our inspection, Tank 80-33 was being heated. HFOTC did not realize that the material in Tank 80-33 was mostly cutter stock and was reporting and operating the tank as a fuel oil tank.

Section IV – LIST OF APPENDICES

Appendix 1 – Photo Log – 5 photos taken 8/4/15
Appendix 2 – Video Log – 10 FLIR videos taken8/4-5/15

Appendix 3 – Opening conference sign-in sheet
Appendix 4 – Plot Plan – North Terminal and South Terminal
Appendix 5 – Daily Tank Inventory for 8/4/15
Appendix 6 – Tank 80-33 Tank Activity for July
Appendix 7 – Tank 100-3 (Cutter Stock) Inspectorate Certificate of Analysis dated 7/7/15
Appendix 8 – Tank 80-33 (Fuel Oil) Inspectorate Certificate of Analysis dated 7/22/15
Appendix 9 – EnRUD documents from inspection: TVA-1000B calibration sheets for 8/4/15 and 8/5/15 and notes from sampling
Appendix 10 – Safety Data Sheet for product in Tank 100-3 (Cutter Stock)
Appendix 11 – Safety Data Sheet for product in Tank 80-33 (Residual Fuel Oil) prior to transfer of cutter stock from Tank 100-3
Appendix 12 – Chain of Custody Form for six (6) SUMMA Canister samples taken 8/4-5/15
Appendix 13 – Table of SUMMA canister sampling by EPA and EnRUD 8/4-5/15
Appendix 14 – Map of Facility with Locations of Inspection Activities
Appendix 15 – Final Analytical Report

EPA REGION 6
AIR INSPECTION REPORT

FRS #:	110000504268	Inspection Dates:	**October 10-12, 2012**
AFS #:	48-201-00153		
Type of inspection:	Clean Air Act, Partial Compliance Evaluation		
Company Name:	**INTERCONTINENTAL TERMINALS COMPANY LLC**		
Facility Name:	**INTERCONTINENTAL TERMINALS DEER PARK TERMINAL**		
Physical Location:	1943 Independence Parkway South (also known as Battleground Road) Deer Park, Texas 77536		
Mailing Address:	P.O. Box 698 Deer Park, Texas 77536-0698		
County/Parish:	**Harris County**		
Reg. Programs:	**SIP, Title V, MACT, NESHAP, and NSPS**		
SIC Code:	4226 and 4953		

3/27/2013

Facility Representatives:

Michael J. Gaudet	Environmental Compliance Manager	281-884-0360
Carl Holley	VP, Safety, Health, & Environmental Security & Regulatory Compliance	281-884-0350
Mike Vanegas	Safety Specialist	281-884-0354
Bob Pennacchi, PE	Sr. VP Operations	281-884-0239
Mark Jeansonne	Chief Financial Officer	281-884-0312

EPA Inspectors:

Daniel Hoyt	6EN-AS	Env. Engineer	214-665-7326
Cary Secrest	HQ-OECA	Env. Scientist	202-564-8661

Enforcement Officer: Daniel Hoyt — 3/21/13
Daniel Hoyt, Environmental Engineer (Date)

EPA Inspector: Daniel Hoyt — 3/21/13
Daniel Hoyt, Environmental Engineer (Date)

Reviewed By: Margaret Osbourne — 3/21/13
Margaret Osbourne, Environmental Scientist (Date)

Executive Summary:

This inspection report is comprised of four sections:

- **Section I – Introduction** includes the following topics:
  - purpose of the inspection,
  - facility description,
  - maps of the facility and detailed process descriptions (These are referenced in designated ATTACHMENTS.)
- **Section II – Observations**
- **Section III - Areas of Concern**. The issues stated in Section III in this report were identified during the time of this inspection and do not preclude any further enforcement document review, legal review or further enforcement action.

Section I - INTRODUCTION

PURPOSE OF THE INSPECTION

The inspection team, including me, EPA Region 6 inspector Daniel Hoyt, and EPA Office of Enforcement and Compliance Assistance, Air Enforcement Division inspector Cary Secrest, arrived at the Intercontinental Terminals Company LLC, Deer Park Terminal (ITC Deer Park) at 9:50 am on October 10, 2012, for an unannounced inspection. We met with Michael J. Gaudet, the environmental compliance manager. Cary Secrest presented his credentials, and I presented my EPA identification. Cary Secrest informed Mr. Gaudet that this was an EPA inspection to determine compliance with the Clean Air Act (CAA), and that the scope of the inspection, a partial compliance evaluation (PCE), included evaluation of the compliance of the facility with applicable CAA regulations, including Title V operating permit requirements and Texas State Implementation Plan (SIP) regulations. The objective was to systematically evaluate storage tanks, especially internal floating roof (IFR) tanks, and other sources, using an infrared (IR) camera for optical gas imaging and photo-ionization detectors (PID), detecting and identifying emissions sources for further investigation. The inspection was prompted by an analysis of stationary air monitoring data that I conducted, which indicated a significant air emissions source of benzene was located at or near the ITC Deer Park facility.

During the entry meeting, Mr. Gaudet provided us with a tank inventory list (see Attachment 1) and plot plans (see Attachment 2). Cary Secrest informed Mr. Gaudet that if any documents provided during the inspection contain confidential business information (CBI), those documents should be marked as confidential. We watched a safety video and were introduced to Mike Vanegas, who was identified as our primary escort for the field portion of the inspection.

FACILITY DESCRIPTION

The ITC Deer Park facility is a for-hire bulk liquid storage terminal. The site was originally constructed in 1971 and currently consists of 231 large aboveground storage tanks, tank truck and railcar transfer racks, docks and associated control devices (flares and thermal oxidizers). Products stored and transferred at the facility include chemicals, petrochemicals, oils, liquefied petroleum gas (LPG), and petroleum-derived liquid products. Products are transferred into and

out of the tanks via all modes of transportation including tank trucks, railcars, barges, ships and pipelines. A detailed process description and process flow diagrams are included with Attachment 4 (ITC Deer Park CAA Section 114 information request response). The ITC Deer Park facility operates 24 hours per day and currently employs 220 full time employees. Intercontinental Terminals Company LLC is a subsidiary of Mitsui & Co. (USA), Inc. according to the Mitsui website (www.mitsui.com/us/en/business/1197064_3596.html).

Section II – OBSERVATIONS

Cary Secrest used an optical gas imaging IR camera to survey volatile organic compounds (VOC) emissions sources, primarily tanks, at ITC Deer Park. Cary Secrest conducted IR camera surveys first in high sensitivity mode (HSM) for screening purposes, and then in full automatic mode (auto). Cary Secrest identified for follow up tanks with VOC emissions that were visible using the IR camera in both HSM and auto modes. I used two photo-ionization detectors to detect, verify and evaluate VOC emissions sources. One PID (Tiger) was equipped with a 10.6 eV lamp, and was calibrated with isobutylene. The other PID (Tiger Select) was equipped with a 10.0 eV glass filter that reduces the lamp output to 10.0 eV. The Tiger Select PID can be operated with a pre-filter tube to detect benzene-specific emissions, and was calibrated with benzene.

Video and image files referenced below, a spreadsheet file with all PID data collected during the inspection (ITC PID Master File 10 15 to 10 19 2012), and a summary spreadsheet file (Master Log of Data ITC) are included on a compact disk as Attachment 6. Attachment 7 presents the one photo that was taken during the inspection. An equipment list is included as Attachment 8, which identifies the equipment used by serial number. The PID calibration records, for the most recent calibrations prior to the inspection, as well as the records for the post-inspection calibration checks, are included as Attachment 9.

Cary Secrest and I selected the largest IRF tanks for the PID/IR camera survey. We surveyed 20 tanks on October 10, 2012, 39 tanks on October 11, 2012, and 39 tanks plus two flares on October 12, 2012. The following table lists the tanks that were observed that had IR camera visible emissions in HSM and auto modes, which is an indication of a potential problem with the tanks:

Tank	Date, Time of Observation (Video File Name)	Fixed Roof or IFR Seal Type	Contents (True VOC Vapor Pressure)	Capacity (Barrels)	Year of Construction
60-3	10/10/12, 15:13 (MOV_0424)	Fixed Roof	Fuel Oil Blend Stock (0.2 psi @ 130F)	60,000	1992
80-2	10/10/12, 15:39 (MOV_0426)	Mechanical shoe w/secondary wiper	Ethanol, 190-192.5 Proof (1.48 psi @ 80F)	80,000	1976

Tank	Date, Time of Observation (Video File Name)	Fixed Roof or IFR Seal Type	Contents (True VOC Vapor Pressure)	Capacity (Barrels)	Year of Construction
80-7	10/10/12, 16:06 (MOV_0431)	Double wiper – vapor mounted	Pyrolysis Gasoline (3.60 psi @ 80F)	80,000	1977
80-9	10/10/12, 16:00 (MOV_430)	Fixed Roof	No. 6 Fuel Oil (0.32 psi @ 130F)	80,000	1977
80-12	10/11/12, 9:44 (MOV_0433) and 9:47 (MOV_0434)	Fixed Roof	No. 6 Fuel Oil (0.21 psi @ 116F)	80,000	1977
80-20	10/10/12, 14:41 (MOV_0423)	Mechanical shoe w/secondary wiper	Pyrolysis Gasoline (5.8 psi @ 80F)	80,000	1979
80-25	10/11/12, 11:21 (MOV_0435) and 11:34 (MOV_0436)	Mechanical shoe w/secondary wiper	Methanol (2.75 psi @80F)	80,000	1991
160-1	10/12/12, 14:02 (MOV_0442)	Fixed Roof	Fuel Oil Blend Stock (0.18 psi @ 109F)	160,000	1980
160-2	10/12/12, 14:06 (MOV_0443)	Fixed Roof	Fuel Oil Blend Stock (0.06 psi @ 130F)	160,000	1980
160-3	10/12/12, 14:06 (MOV_0443)	Fixed Roof	Fuel Oil Blend Stock 0.16 psi @ 120F)	160,000	1980

Cary Secrest did not identify any concerns based on the IR camera surveys of the two flares and the tanks not identified in the table above. Attachment 10 is a list of all tanks and other emissions sources that I observed during the IR camera/PID surveys, including inspection observations, tank levels that I recorded after observing tank level gauges, times that I conducted the PID surveys, IR camera video and image file names for the IR camera videos and images that Cary Secrest recorded, and other available information about each observed tank. Attachment 11 is the response from ITC Deer Park after the inspection, received October 29, 2012, which includes VOC vapor pressure analysis results and the records for the most recent external and internal IFR tanks inspections (as applicable), for the above noted tanks.

The only notable PID data that I recorded were PID readings downwind from Tanks 80-7 and 80-9 on October 10, 2012 around 16:03. I recorded 15-second average Tiger PID VOC concentrations up to 0.53 ppm as isobutylene and 15-second Tiger Select PID VOC concentrations up to 0.27 ppm as benzene. An IR camera photo taken by Cary Secrest and included as Attachment 7 shows emissions detected in auto mode coming from a vent on the roof of Tank 80-9.

The IR camera imaging by Cary Secrest of IFR Tanks 80-2, 80-7, 80-20 and 80-25 indicates that the tanks' emissions may not be consistent with the limits or permit application representations of Texas Commission of Environmental Quality (TCEQ) Permit 1078, included as Attachment 12. Mike Venegas of ITC Deer Park confirmed during the inspection that the four tanks were not being filled or drawn down and the tank's floating roofs were not landed or in the process of being landed or refloated during the IR camera imaging by Cary Secrest. The following table summarizes the emissions limitations and permit application representations for the four IFR tanks.

Tanks	VOC Emissions Limit (per tank)	Permit Application Normal Standing Loss Emissions Representations
80-2	162.52 lbs/hr	Up to 31 IFR tanks with capacities of 80,000 to 100,000 barrels in ethanol service, resulting in 3.703 lbs/hr of ethanol emissions, or approximately 0.12 lbs/hr for each tank.
80-7 and 80-20	162.52 lbs/hr	Up to 8 IFR tanks with capacities of 80,000 to 100,000 barrels in pyrolysis gasoline service, resulting in 5.336 lbs/hr of pyrolysis gasoline emissions, or approximately 0.67 lbs/hr for each tank.
80-25	162.52 lbs/hr	Up to 31 IFR tanks with capacities of 80,000 to 100,000 barrels in methanol service, resulting in 5.336 lbs/hr of methanol emissions, or approximately 0.17 lbs/hr for each tank.

The hourly VOC emissions limitations for these tanks, found in the maximum allowable emissions rate table of Permit 1078, are for tank roof landings and/or working loss emissions of any material authorized for storage in the tanks. The above noted Permit 1078 application emissions representations for normal standing losses were included in permit application materials dated June 4, 2007 (see Attachment 13).

The IR camera imaging by Cary Secrest also indicates that the four IFR tanks may not be adequately inspected or maintained under applicable requirements of 30 TAC, Chapter 115 (all four), 40 CFR Part 60, Subparts A and Kb (Tank 80-25), 40 CFR Part 60, Subparts A and Ka (Tank 80-20), 40 CFR Part 60, Subparts A and K (Tanks 80-2 and 80-7), or 40 CFR Part 63, Subparts A and EEEE (all four). Attachment 11 indicates these four tanks all had recent external seal inspections, no more than two months prior to the date this inspection was conducted. The only issues identified during those external seal inspections were for Tank 80-20 (1/2 inch gap along 12 feet of the secondary seal) and Tank 80-7, which had liquid product accumulated "around the gage well from run off while sampling." No internal seal inspection records for Tanks 80-2, 80-7 and 80-20 were provided and the internal seal inspection record for Tank 80-25 indicted the seals were in compliant condition. Internal API tank inspections records were provided for all four tanks, which all occurred no more than three years prior to the date of this inspection, and numerous deficiencies were noted in the API tank inspection reports.

The IR camera imaging by Cary Secrest of fixed roof tank 60-3 indicates that the tank's emissions may not be consistent with the federally enforceable certified emissions representations of permit by rule (PBR) Registration No. 95093. Mike Venegas of ITC Deer Park

confirmed that the tank was not being filled or drawn down during the IR camera imaging by Cary Secrest. PBR registration representations dated February 21, 2011, for PBR Registration No. 95093, indicate breathing loss from this tank is insignificant and the breathing loss emissions representations were not quantified (see Attachment 14). Attachment 11 indicates the contents of this tank, fuel oil blend stock was sampled for true vapor pressure testing, and the results indicate the true VOC vapor pressure, at 130F, was 0.20 psi, less than 0.5 psi, which is the maximum allowed for fixed roof 60,000 barrel tanks without vent controls.

IR camera imaging by Cary Secrest of fixed roof tanks 80-9, 80-12, 160-1, 160-2 and 160-3 indicates that the tanks' emissions may not be consistent with the VOC limits or permit application representations of Permit 1078. Mike Venegas of ITC Deer Park confirmed that the tanks were not being filled or drawn down during the IR camera imaging by Cary Secrest. The hourly VOC emissions limitation for these tanks (162.51 lbs/hr for 80-9 and 80-12, and 232.15 lbs/hr for 160-1, 160-2 and 160-3) in the maximum allowable emissions rate table of Permit 1078 is for tank working loss VOC emissions of any material authorized for storage in the tank. Permit 1078 application VOC emissions representations dated September 29, 2004 for normal breathing losses from 37 fixed roof tanks in No. 6 fuel oil service is 0.468 lbs/hr, or approximately 0.013 lbs/hr per tank (see Attachment 15). The representations indicate the maximum normal No. 6 fuel oil breathing losses is for a storage scenario that includes 12 fixed roof tanks with an 80,000 to 100,000 barrel capacity in service, and no fixed roof tanks with a 160,000 barrel capacity. Attachment 11 indicates that the true VOC vapor pressures for the materials stored in these fixed roof tanks were less than 0.5 psi, which is the maximum allowed without vent controls for fixed roof tanks with an 80,000 or 160,000 barrel capacity.

Section III - AREAS OF CONCERN

1. Emissions from internal floating roof (IFR) Tanks 80-2, 80-7, 80-20 and 80-25 at Intercontinental Terminals Company LLC, Deer Park Terminal (ITC Deer Park) may exceed the tanks' volatile organic compounds (VOC) emissions limits or permit application representations of Permit 1078. The tanks are subject to inspection and maintenance requirements under 30 TAC, Chapter 115 (all four), 40 CFR Part 60, Subparts A and Kb (Tank 80-25), 40 CFR Part 60, Subparts A and Ka (Tank 80-20), 40 CFR Part 60, Subparts A and K (Tanks 80-2 and 80-7), and 40 CFR Part 63, Subparts A and EEEE (all four).

2. Emissions from fixed roof Tank 60-3 at ITC Deer Park may exceed the federally enforceable certified VOC emissions representations of Permit By Rule (PBR) Registration No. 95093.

3. Emissions from fixed roof Tanks 80-9, 80-12, 160-1, 160-2 and 160-3 at ITC Deer Park may exceed the VOC limits or permit application representations of Permit 1078.

Attachments

1. Tank Inventory List Provided October 10, 2012
2. Site Plot Plans
3. CAA Section 114 Information Request Dated August 24, 2012
4. ITC Deer Park Response to CAA Section 114 Information Request Dated October 4, 2012 and November 1, 2012
5. Dun & Bradstreet Reports and Texas Secretary of State Corporation Information
6. Compact Disk with Video and Image Files, Spreadsheet File with all PID data collected during the inspection (ITC PID Master File 10 10 to 10 12 2012), and a summary spreadsheet file (Summary Log of Data ITC)
7. Photo Log
8. Equipment List
9. PID Calibration Records
10. ITC Deer Park Inspection Master Log of Data and Inspection Observations
11. ITC Deer Park Response to Information Requested During Inspection Dated October 26, 2012
12. TCEQ Permit 1078, Issued January 30, 2012
13. TCEQ Permit 1078 Application IFR Tank Emissions Representations Dated June 4, 2007
14. PBR Registration Representations Dated February 21, 2011, TCEQ PBR Registration No. 95093
15. TCEQ Permit 1078 Application Fixed Roof Tank Emissions Representations Dated September 29, 2004

EPA REGION 6
AIR INSPECTION REPORT

FRS #:	110000757752 Inspection Dates: **October 15-19, 2012**
AFS #:	48-201-00372 (VOPAK LOGISTICS SERVICES USA INC) and 48-201-00248 (VOPAK TERMINAL DEER PARK INC)
Type of inspection:	Clean Air Act, Partial Compliance Evaluation
Company Names:	**VOPAK LOGISTICS SERVICES USA INC** and **VOPAK TERMINAL DEER PARK INC**
Facility Names:	**VOPAK LOGISTICS SERVICES USA DEER PARK** and **VOPAK TERMINAL DEER PARK**
Physical Location:	2759 Independence Parkway South (also known as Battleground Road) Deer Park, Texas 77536
Mailing Address:	P.O. Box 897 Deer Park, Texas 77536-0897
County/Parish:	**Harris County**
Reg. Programs:	**SIP, Title V, MACT, NESHAP, and NSPS**
SIC Code:	4953 and 7699 (VOPAK LOGISTICS SERVICES USA INC) and 4226 and 4953 (VOPAK TERMINAL DEER PARK INC)

Sam Hoyt 3/27/2013

Facility Representatives:

Colin Scott	General Manager	281-604-6034
Clifton Ferrell	Environmental & Quality Manager	281-604-6094
Lisa Alford	Env. Specialist	281-604-6133
Duane Campbell, CIH, CSP	Safety Manager	281-604-6033
William List	Terminal Manager	281-604-6038
Geronimo Martinez	Wastewater System Supervisor	
Pam Smolen	Operations Engineer	
James Westberry	Wastewater/Deepwell Manager	

EPA Inspectors:

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Harris County Inspectors (Pollution Control Services Dept):

Kathy Porter	Compliance Coordinator	713-920-2831
Matt Van Vleck	Air Specialist	713-920-2831
Anthony Tomlinson	Investigator I	713-920-2831
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Christopher Montague	Supervisor	

Enforcement Officer: Daniel Hoyt 3/21/13
Daniel Hoyt, Environmental Engineer (Date)

EPA Inspector: Daniel Hoyt 3/21/13
Daniel Hoyt, Environmental Engineer (Date)

Reviewed By: Margaret Osbourne 3/21/13
Margaret Osbourne, Environmental Scientist (Date)

Executive Summary:

This inspection report is comprised of four sections:

- **Section I – Introduction** includes the following topics:
  - purpose of the inspection,
  - facility description,
  - maps of the facility and detailed process descriptions (These are referenced in designated ATTACHMENTS.)
- **Section II – Observations**
- **Section III - Areas of Concern**. The issues stated in Section III in this report were identified during the time of this inspection and do not preclude any further enforcement document review, legal review or further enforcement action.

Section I - INTRODUCTION

PURPOSE OF THE INSPECTION

The inspection team, including me, EPA Region 6 inspector Daniel Hoyt; EPA Office of Enforcement and Compliance Assistance, Air Enforcement Division inspector Cary Secrest; and Harris County Pollution Control Services inspectors Kathy Porter and Matt Van Vleck arrived at the offices of Vopak Terminal Deer Park Inc.- Deer Park (Vopak Terminal) and Vopak Logistics Services USA Inc. -Deer Park (Vopak Logistics) at 8:30 am on October 15, 2012, for an unannounced inspection. We met with Colin Scott, General Manager, Gulf Coast Terminals of Vopak Logistics and Clifton Ferrell, Environmental & Quality Manager, Gulf Coast of Vopak Terminal at the Opening Conference. We were also introduced to Lisa Alford, Environmental Specialist for Vopak Terminal who was identified as our primary escort while conducting the field portion of the inspection; Duane Campbell, CIH, CSP, Safety Manager for Vopak Terminal; and James Westberry, who manages the Vopak Logistics Wastewater Treatment System and Deep Well Injection System.

Cary Secrest presented his credentials, and I presented my EPA identification to Mr. Scott. Cary Secrest informed Mr. Scott that this was an EPA inspection to determine compliance with the Clean Air Act (CAA). Cary explained that the scope of the inspection was a partial compliance evaluation (PCE) and included evaluation of the compliance of the facility with applicable CAA regulations, including Title V operating permit requirements and Texas State Implementation Plan (SIP) regulations. The objective was to systematically evaluate storage tanks and other sources using an infrared (IR) camera for optical gas imaging and photo-ionization detectors (PID), detecting and identifying emissions sources for further investigation.

The inspection was prompted by an analysis of stationary air monitoring data that I conducted, which indicated a significant air emissions source of benzene was located at or near the Vopak Deer Park facilities. EPA Region 6 issued a CAA Section 114 information request to Vopak Terminal, which was received by Vopak on September 17, 2012. The request and response, dated November 14, 2012 are included respectively as Attachment 4 and Attachment 5.

During the entry meeting Cary Secrest requested a tank inventory list (see Attachment 1) and plot plans (see Attachment 2), which Colin Scott provided. Mr. Scott provided an updated tank inventory list (included with Attachment 1) on October 16, 2012, which included tank capacity and vapor pressure of the material stored. Cary Secrest also informed Colin Scott that if any documents provided contain confidential business information (CBI), those documents should be marked as confidential. Duane

Campbell informed Cary Secrest and me that nothing out of the ordinary was scheduled at the Vopak Deer Park facilities for that day.

FACILITY DESCRIPTION

The facility is permitted by TCEQ as two separate regulated entities that are owned and operated by separate corporate entities under the common parent corporation Vopak North America Inc. (a subsidiary of Royal Vopak N.V., headquartered in the Netherlands). The Dun & Bradstreet reports and Texas Secretary of State corporation information for both regulated entities are included as Attachment 3. Vopak Logistics and the emissions sources at Vopak Terminal, which is a major source for volatile organic compounds (VOC), hazardous air pollutants (HAP) and nitrogen oxide emissions, are contiguous to each other and under common control.

- **Vopak Terminal**
  According to Collin Scott, the facility is a contract (for hire) liquid chemical storage terminal that operates 24 hours per day and currently employs 201 full-time employees. It has 242 tanks on site, four to seven of which may be out of service at any given time, storing up to approximately 110 different liquid products, including hydrocarbons, acids, alkali and glycols.

  Vopak Terminal employs four flare stacks, and the flares control the following sources, as described in the CAA Section 114 information request response: Flares FL-600 and FL-900 control emissions from tank truck and rail car loading activity. Flare TO-1M (identified as flare T-700 during the inspection, and FL-MARINE1 and FL-STYRENE1 in Attachment 5) and Flare TO-2M (identified as flare T-800 during the inspection, and FL-MARINE2 and FL-STYRENE2 in Attachment 5) control emissions from styrene tanks, and ship and barge loading.

- **Vopak Logistics**
  According to Clifton Ferrell, the facility operates 24 hours per day and currently employs seven full-time employees. The facility consists of a biological wastewater treatment unit and a deep well injection disposal unit. Mr. Ferrell stated that the wastewater facility does not receive any "benzene NESHAP regulated waste streams," that the wastewater facility receives contaminated storm water and tank maintenance related wastewater, and that some of the wastewater is trucked in from Vopak Terminal - Galena Park, an off-site facility. Previously, the facility had performed railroad tank car cleaning at the site, but Mr. Ferrell reported that Vopak had discontinued these operations several years ago and terminated the permit that authorized the activity.

  Vopak Logistics receives waste by vacuum truck or pipeline from Vopak Terminal locations and by tank truck from Vopak Terminal Galena Park. The trucks transfer the waste at the unloading rack to the Wastewater System if the waste is compatible with the Wastewater System, and otherwise to the Deepwell System.

  Wastewater System process: Vopak Logistics conveys all Wastewater System compatible waste via piping from sumps, tank trucks and vacuum trucks into the 01-T-569 Receipt Tank, a 5,000 barrel (bbl) open top tank. Material from the 01-T-569 Receipt Tank routes via piping to either the 01-T-570 Equalization Basin, the 01-T-571 Equalization Basin (both are 55,000 bbl open top tanks), or fixed roof Tanks 530 or 532. Vopak Logistics did not clearly explain how Tanks 530 and 532 are tied to the rest or the Wastewater Treatment System. Vopak Logistics alternates the function of the Equalization Basins, with one receiving waste from the 01-T-569 Receipt Tank for flow and composition equalization while the other sends wastewater via piping to the Floc Tanks. The Floc Tanks are three open-top rectangular basins where flocculent mixes with the waste stream. Then the wastewater flows via piping to the 01-C-5 IDAF which skims an oily hydrocarbon layer via a

dissolved air floatation process from the top using four skimmers and removes a sludge-like material from the bottom. The three separated streams from the 01-C-5 IDAF, including the oily hydrocarbon layer, the sludge-like material and remaining wastewater flow into an open sump with a walkway grate over it called the Dissolved Air Floatation (DAF) sump. The DAF sump has several compartments for the various streams. From the DAF Sump, the sludge and hydrocarbon layer flows via piping to a secondary digester, and the wastewater flows via piping to the 01-T-56 Aeration Basin. From the 01-T-56 Aeration Basin the wastewater is piped to the open top 01-C-7 Clarifier, then through a filter and then it flows to an outfall on the Houston Ship Channel.

James Westberry provided a Disposal Overview area plot plan document and Deepwell System process flow diagram (see Attachment 13) on October 15, 2012. Mr. Westberry updated the Deepwell System process flow diagram by putting an "X" over "Clarifier 05-C-1 thru 05-C-4", "EOTS 05-574/575" and "Centrifuge 05-T-43/44 05-V-2", stating that these sources have been out of service for approximately six years, when Vopak discontinued operating as a third party wastewater service (see area of concern No. 1). EOTS is an acronym for Emulsion Oil Treatment System. Mr. Westberry also clarified to me on October 15, 2012 that although the Disposal Overview area plot plan document indicates that the 01-T-571 Equalization Basin is an aeration basin, it has not been aerated for approximately six years. Also, the 01-C-8 API Separator and 01-C-9A/B Digestor have been out of service for approximately four years, but are used as needed such as to handle excess volumes of storm water.

Section II – OBSERVATIONS

This section is organized by plant area/source type for sources and areas that were identified during the PID/IR camera survey. Certain emissions points were not reviewed, including various tanks and Flares 600 and 900. Cary and I selected the largest storage tanks storing materials with the highest VOC vapor pressure to conduct IR camera observations. I documented times and locations in the text below where PID concentration data was elevated. Data are identified as elevated based on comparison to the PID concentration data upwind, prior to and following the data identified as elevated. Video and image files referenced below, a spreadsheet file with all PID data collected during the inspection (vopak PID Master File 10 15 to 10 19 2012), and a summary spreadsheet file (Master Log of Data Vopak) are included on two compact disks as Attachment 8. A photo log is also included as Attachment 9, presenting each photo that was taken during the course of the inspection.

Cary Secrest and I conducted emissions surveys using the following equipment:

- IR camera manufactured by FLIR, Model GF320, Serial Number 4444009966. Optical gas imaging, IR camera surveys of emissions sources were each conducted first in high sensitivity mode (HSM) for screening purposes, and then in full automatic mode (auto). Tanks with emissions visible using the IR camera in both HSM and auto were identified for follow up, so that additional information can be requested.
- PID manufactured by Ion Science, PhoCheck Tiger, Serial Number T-106291 with a 10.6 eV lamp. This PID was calibrated with isobutylene, and is capable of detecting VOC as low as 1 ppb, depending on the gas.
- PID manufactured by Ion Science, PhoCheck Tiger Select, Serial Number T-106544, 10.6 eV lamp. This PID's lamp is equipped with a 10.0 eV glass filter that reduces the lamp output to 10.0 eV. This PID can be operated with a pre-filter tube to detect benzene-specific emissions. This PID was calibrated with benzene and is capable of detecting benzene as low as 10 ppb.

The PID calibration records for the most recent calibration prior to the inspection, as well as the records for the post-inspection calibration check, are included as Attachment 10. PID and FLIR camera time log was checked each morning prior to equipment operation.

The following table summarizes the locations of PID/IR camera surveys conducted each day of the inspection:

Dates	Locations
October 15, 2012	Wastewater Area
October 16, 2012	Wastewater Area 400 Tanks Area
October 17, 2012	600 Tanks Area 500 Tanks Area 700 Tanks Area 900 Tanks Area
October 18, 2012	Tank 411 P-Pit Area 900 Tanks Area T-700 and T-800 Marine Flares
October 19, 2012	Wastewater Area T-700 and T-800 Marine Flares

We conducted a briefing meeting (see Attachment 11 for attendees) at the end of each day except October 15 to review inspection observations. We provided the PID data, videos, and images recorded during the inspection to Clifton Ferrell of Vopak during these briefings. Attachment 11 provides the daily briefing dates, and the names of Vopak, EPA and Harris County representatives who attended.

Attachment 12 summarizes all emissions point observations, including IR camera survey results associated with this investigation, and certain storage tank information, including information for tanks that were not observed, for comparative purposes.

VOPAK LOGISTICS EMISSIONS POINT REVIEW

I observed that the 01-C-8 API Separator and 01-C-9A/B Digestor were out of service during the inspection. The 01-C-8 API Separator, the 01-C-9A/B Digestor, the 05-T-43 Batch Feed Tank and Centrifuge, the 05-T-44 Wastewater Receipt Tank from Centrifuge, the 05-T-574 EOTS, and the 05-T-575 EOTS, are listed by Special Condition (SC) 14 of Texas Commission on Environmental Quality (TCEQ) Permit 87923 as part of the Wastewater System but were all out of service, and according to James Westberry, have been out of service for several years. Wastewater System emissions sources that are not listed on the permit were observed, including the DAF Sump and Floc Tanks. The 05-T-43 Batch Feed Tank and Centrifuge, and the 05-T-44 Wastewater Receipt Tank from Centrifuge are also listed by SC 18 of the permit as part of the Deepwell System.

On October 15, 2012 the 01-C-8 API Separator and 01-C-9A/B Digestor were empty, although both open basins had dark oily hydrocarbon residual deposits and liquids/water on the sides/bottom. I observed that both PIDs detected VOC concentrations when they were placed above the out of service 01-C-8 API Separator at approximately 14:42 on October 15, 2012, with Tiger PID 15-second average readings up to 0.40 ppm VOC as isobutylene and Tiger Select PID without benzene selective tube, 15-second average readings up to 0.40 ppm VOC as benzene.

Mr. Westberry described the wastewater sampling that occurs at Vopak Logistics, stating that the wastewater system final effluent is tested bi-weekly for total organics and quarterly for toxicity. Mr. Westberry mentioned that he is currently trying out a new lab by giving them some samples to analyze to see how they perform. SC 23 of TCEQ Permit 87923 requires Vopak Logistics to sample the incoming wastewater at least quarterly for speciation of the materials listed in Attachment 1 of the permit, and use the sample results and Water 9 to estimate emissions. During a December 19, 2012 phone conversation with Clifton Ferrell, Lisa Alford and James Westberry of Vopak, with Debbie Ford, myself (Daniel Hoyt) and Virginia Sorrell of EPA, Clifton Ferrell stated that samples of the incoming wastewater are not routinely collected. During the December 19, 2012 phone conversation Lisa Alford stated that the emissions estimates from the Wastewater System are not based on sampling but conservative assumptions from the permit application.

I observed the wastewater system operating with approximately 145 gpm of wastewater flow from the 01-T-571 Equalization Basin to the Floc Tanks, based on information provided by James Westberry and the flow meter located at the 01-T-571 Equalization Basin at 14:45 on October 15, 2012 and 10:30 on October 16, 2012.

I reviewed historical imagery of the Wastewater System, and the three aerial images noted below show that both equalization basins contain visible hydrocarbon layers (see area of concern No. 4):

- Early 2010 aerial image (see Attachment 14) from the US Geological Survey (USGS) Earth Explorer data system (http://earthexplorer.usgs.gov/), with visible hydrocarbon layers in the 01-T-570 Equalization Basin and the 01-T-571 Equalization Basin
- Early 2011 aerial image (see Attachment 15) from Bing Maps (http://www.bing.com/maps/)

- Unknown date: aerial image (see Attachment 16) from Bing Maps (http://www.bing.com/maps/).

Water and air samples from the wastewater system (see Attachments 18 and 19) indicate the separated hydrocarbon layer includes VOC materials with true VOC vapor pressures greater than 0.5 psia, including moderately water soluble to practically insoluble in water VOC, such as acrylonitrile, methyl tert-butyl ether (MTBE), ethyl ter-butyl ether (ETBE), benzene, toluene and methyl isobutyl ketone (MIBK).

Cary Secrest and I conducted field observations in the Wastewater System area on October 15, 2012 (11:30 to 12:25 and 13:40 to 15:30), October 16, 2012 (9:45 to 12:00) and October 19, 2012 (9:50 to 12:00). Winds were 1.5 to 2.0 meters per second (m/s) with some calms, from the northeast (30 to 60 degrees) on October 15, 2012, at approximately 11:10. Winds were 1.8 to 2.5 m/s, from the northeast (30 to 60 degrees) on October 15, 2012, at approximately 13:30. Winds were 0.7 m/s, from the northeast (60 degrees) on October 16, 2012, at approximately 9:30. Winds were 1.5 m/s, from the east-northeast (70 degrees) on October 16, 2012, at approximately 13:20. Winds were 1.5 to 2.5 m/s, from the north (0 degrees) with clear skies on October 19, 2012, at approximately 8:55.

The allowable Wastewater System contaminants are identified by Attachment 1 of TCEQ Permit 87923. SC 5 prohibits Wastewater Systems tanks from storing chemicals not listed in Attachment 1 of TCEQ Air Permit No. 87923. New chemicals can be emitted from the Wastewater System at quantities greater than 0.04 lbs/hr if the emissions satisfy the Chemical Flexibility Special Conditions (equation in SC 10), and documentation is maintained as described by SC 23.C. Tanks may store new materials by either 30 Texas Administrative Code (TAC) §106 (Permit by Rule) or 30 TAC §116 (permit amendment), or as prescribed in the Chemical Flexibility Special Conditions. Wastewater emissions and liquids sampling results (Attachments 18 and 19) indicate the following compounds are emitted by the wastewater system, and are not included in Attachment 1 of TCEQ Air Permit No. 87923: Tetrahydrofuran (THF), 1,3-butadiene, acrylonitrile, ETBE, 1,3,5-trimethylbenzene and o-dichlorobenzene.

01-T-569 Receipt Tank Inspection Observations

The Wastewater System begins with the 01-T-569 Receipt Tank. On October 15, 2012 at approximately 14:20, Cary Secrest climbed the tank and observed a dark, oily substance in the tank. He used the Tiger PID and verified VOC emissions of approximately 80-100 ppm VOC as isobutylene, 15-second averaging, coming from the tank. Cary reported that the liquid level in the tank was near the bottom. James Westberry reported that the level gage indicated the tank level was 2 feet 4 inches at the time.

I observed that both PIDs detected elevated concentrations downwind from the 01-T-569 Receipt Tank at approximately 10:22 on October 19, 2012, with Tiger PID 15-second average readings up to 30 ppm VOC as isobutylene and Tiger Select PID with benzene selective tube 15-second average readings up to 20 ppm as benzene. Cary and I observed a vacuum truck delivery at 9:54 and detected a mild odor at the same time. Geronimo Martinez informed us that the vacuum truck was unloading into the 01-T-569 Receipt Tank, and he provided the disposal work order (EM No. 02-21) and manifest (UPDP 37752) associated with the load (see Attachment 17). The work order and manifest indicate the unloading occurred from 9:46 until 10:00, that the product was 15,480 lbs of storm water from "pits and pans in plant" transported by Chem Clean Truck LVT101, containing 10 mg/L phenol, with a specific gravity of 1.000, a pH of 7.50 and a 2,000 mg/L chemical oxygen demand (COD). Harris County Flood Warning System rain gauge data (http://harriscountyfws.org/) near Deer Park, Texas indicates total rainfall was less than 0.36 inches from October 1, 2012 to October 19, 2012.

Photos 3 and 4 depict the unloading rack at approximately 11:37 and 10:19 respectively on October 19, 2012. Per statements made by Mr. Martinez on October 19, 2012, Photo 3 shows a vacuum truck unloading waste to the 01-T-569 Receipt Tank and a tank truck from the Vopak Terminal Galena Park

unloading waste to the Deepwell System. Cary detected emissions from Tank 569 with the IR camera in HSM and auto during surveys on October 15, 2012 (see MOV_0444, MOV_446 and MOV_447) and October 19, 2012 (see MOV_0486 and MOV_0488).

01-T-571 and 01-T-570 Equalization Basin Inspection Observations

James Westberry of Vopak Logistics stated that the Floc Tanks of the wastewater treatment system were being fed at a rate of approximately 145 gallons per minute (gpm) from the 01-T-571 Equalization Basin and contents of the 01-T-570 Equalization Basin were not being fed to the wastewater system during the inspection. Anthony Tomlinson of Harris County and Vopak Logistics' contractors collected water samples at 10:34 until 10:40 on October 16, 2012 from the 01-T-571 Equalization Basin effluent. I observed that both PIDs detected VOC concentrations when placed near the sample collection bucket at approximately 10:39, with Tiger PID 15-second average readings up to 0.37 ppm VOC as isobutylene and Tiger Select PID with benzene selective tube, 15-second average readings up to 0.24 ppm as benzene. The Harris County water sample results, included as Attachment 18, did not pass quality assurance requirements and were rejected (data unusable), but the analysis did confirm that the sample contained ppm levels of MTBE and THF.

Floc Tanks Inspection Observations

Anthony Tomlinson of Harris County and Vopak Logistics contractors collected water samples from the Floc Tanks effluent (which flows to the 01-C-5 IDAF) at 10:46 until 10:50 on October 16, 2012. I placed both PIDs near the sample collection bucket (which was also above the DAF Sump) and I observed that the Tiger PID detected elevated concentrations at approximately 10:47, with Tiger PID 15-second average readings up to 1.80 ppm VOC as isobutylene. I also noted breakthrough for the Tiger Select PID benzene selective tube as evidenced by a color change, so the tube was replaced at 10:50. The Harris County water sample results did not pass quality assurance requirements and were rejected (data unusable), but the analysis did confirm that the sample contained ppm levels of MTBE and THF.

01-C-5 IDAF Inspection Observations

I observed that both PIDs detected elevated concentrations when they were placed above the 01-C-5 IDAF at approximately 12:03 on October 15, 2012, with Tiger PID 15-second average readings up to 1.92 ppm VOC as isobutylene and Tiger Select PID without benzene selective tube, 15-second average readings up to 2.33 ppm VOC as benzene. I also observed that the Tiger PID detected elevated concentrations when it was placed above the 01-C-5 IDAF at approximately 10:20 on October 16, 2012, with Tiger PID 15-second average readings up to 6.29 ppm VOC as isobutylene (the Tiger Select PID readings, with benzene selective tube had 15-second average readings up to 0.40 ppm as benzene at the time). I had replaced the benzene selective tube at 10:16.

I used the Tiger PID above the 01-C-5 IDAF near the location where an air canister sample was planned to be collected and the PID detected elevated concentrations at approximately 10:56 on October 16, 2012, with Tiger PID 15-second average readings up to 7.07 ppm VOC as isobutylene. Cary collected an air canister sample (Canister 5014) from the headspace above the 01-C-5 IDAF at 11:02. The air canister sample analysis (see Attachment 19) indicates the headspace above the 01-C-5 IDAF contained, among other VOC detected at lower levels, 1.37 ppm MTBE, 1.04 ppm ETBE, 0.139 ppm benzene, 0.166 ppm MIBK, 0.129 ppm ethylbenzene, and 0.099 ppm m/p-xylene.

I observed that the Tiger PID detected elevated concentrations at approximately 10:51 on October 19, 2012, when I placed it above the 01-C-5 IDAF near the location where an air canister sample was planned to be collected , with Tiger PID 15-second average readings up to 1.71 ppm VOC as isobutylene and

Tiger Select PID with benzene selective tube, 15-second average readings up to 0.01 ppm as benzene. The benzene selective tube was replaced at 10:08 and Tiger Select PID was zeroed at 10:47 to address positive offset. Cary collected an air canister sample (Canister 5041) from the headspace above the 01-C-5 IDAF at 10:53. The sample analysis (see Attachment 19) indicates the headspace above the 01-C-5 IDAF contained, among other VOC detected at lower levels, 0.43 ppm MTBE, 0.36 ppm ETBE, 0.028 ppm benzene, 0.044 ppm MIBK, and 0.024 ppm m/p-xylene.

DAF Sump Inspection Observations

I observed that both PIDs detected elevated concentrations when they were placed above the DAF Sump over the water chamber on October 15, 2012 at approximately 12:07, with Tiger PID 15-second average readings up to 4.52 ppm VOC as isobutylene and Tiger Select PID without benzene selective tube, 15-second average readings up to 3.49 ppm VOC as benzene.

I installed a new benzene selective tube on the Tiger Select PID at approximately 12:10 on October 15, 2012. I observed that both PIDs detected elevated concentrations when they were placed above the DAF Sump again (on sump grate above water chamber) at approximately 12:19, with Tiger PID 15-second average readings up to 23.1 ppm VOC as isobutylene and Tiger Select PID with benzene selective tube, 15-second average readings up to 1.30 ppm as benzene. I noted that the Tiger Select PID had a positive offset at 12:17 of approximately 0.53 ppm, so the above noted 1.30 ppm Tiger Select 15-second average reading should be adjusted down to approximately 0.8 ppm benzene. I noticed that the PID concentration readings were highest when a DAF Sump pump began running, moving material from the 01-C-5 IDAF into the DAF Sump.

I installed a new benzene selective tube on the Tiger Select PID at approximately 15:23 on October 15, 2012. I observed that both PIDs detected elevated concentrations when they were placed above the DAF Sump again (on sump grate above water chamber) at approximately 15:28, with Tiger PID 15-second average readings up to 55.3 ppm VOC as isobutylene and Tiger Select PID with benzene selective tube, 15-second average readings up to 1.70 ppm as benzene. I noted that the Tiger Select PID had a positive offset at 15:25 of approximately 0.315 ppm, so the above noted 1.70 ppm Tiger Select 15-second average reading should be adjusted down to approximately 1.40 ppm benzene. I noticed that the PID concentration readings were highest when a DAF Sump pump began running, moving material from the 01-C-5 IDAF into the DAF Sump.

I observed that the Tiger PID detected elevated concentrations when it was placed above the DAF Sump at approximately 11:17 on October 16, 2012 (above water chamber), with Tiger PID 15-second average readings up to 36.3 ppm VOC as isobutylene (Tiger Select PID with benzene selective tube, 15-second average readings were up to 0.23 ppm as benzene at the time). I noticed that the PID concentration readings were highest when a DAF Sump pump began running, moving material from the 01-C-5 IDAF into the DAF Sump. Cary collected an air canister sample (Canister 5026) from the headspace above the DAF Sump at 11:20 on October 16, 2012. The air canister sample analysis indicates the headspace above the DAF Sump contained, among other VOC detected at lower levels, 3.30 ppm MTBE, 3.16 ppm ETBE, 0.668 ppm benzene, 0.673 ppm MIBK, 0.091 ppm toluene, 0.291 ppm ethylbenzene, and 0.207 ppm m/p-xylene.

Anthony Tomlinson of Harris County and Vopak Logistics contractors collected water samples from the DAF Sump at 11:20 until 11:26 on October 16, 2012. The Harris County water sample results did not pass quality assurance requirements and were rejected (data unusable), but the analysis did confirm that the sample contained ppm levels of MTBE and THF.

I observed that the Tiger PID detected elevated concentrations when it was placed above the DAF Sump at approximately 11:08 on October 19, 2012 (above water chamber), with Tiger PID 15-second average readings up to 31.4 ppm VOC as isobutylene (Tiger Select PID with benzene selective tube, 15-second average readings were up to 0.37 ppm as benzene at the time). I noticed that the PID concentration readings were highest when a DAF Sump pump began running, moving material from the 01-C-5 IDAF into the DAF Sump. Cary collected an air canister sample (Canister 5044) from the headspace above the DAF Sump at 11:08 on October 19, 2012. The sample analysis (see Attachment 19) indicates the headspace above the DAF Sump contained, among other VOC detected at lower levels, 4.50 ppm MTBE, 3.67 ppm ETBE, 0.203 ppm benzene, 0.134 ppm MIBK, and 0.101 ppm m/p-xylene.

01-T-56 Aeration Basin Inspection Observations

I observed that the 01-T-56 Aeration Basin has a geodesic type dome with approximately four or five large openings, approximately four feet wide and high (see Photo 5). From these openings I saw the wastewater turbulently roiling from the aerator action.

I observed that the Tiger PID detected elevated concentrations when it was placed in the 01-T-56 Aeration Basin vent (geodesic type dome opening) over the wastewater headspace at approximately 14:06 on October 15, 2012, with Tiger PID 15-second average readings up to 25.9 ppm VOC as isobutylene. I observed that the Tiger PID detected elevated concentrations when it was placed in the 01-T-56 Aeration Basin vent (geodesic type dome opening) over the wastewater headspace at approximately 11:38 on October 16, 2012, with Tiger PID 15-second average readings up to 36.4 ppm VOC as isobutylene.

Cary collected an air canister sample (Canister 5035) from the 01-T-56 Aeration Basin vent (geodesic type dome opening) over the wastewater headspace at 11:39 on October 16, 2012. The sample analysis (see Attachment 19) indicates the headspace above the 01-T-56 Aeration Basin contained, among other VOC detected at lower levels, 9.04 ppm MTBE, 7.43 ppm ETBE, 0.113 ppm benzene, 0.125 ppm ethylbenzene, and 0.078 ppm m/p-xylene.

I observed that the Tiger PID detected elevated concentrations when it was placed in the 01-T-56 Aeration Basin south vent (geodesic type dome opening) over the wastewater headspace at approximately 11:22 on October 19, 2012, with Tiger PID 15-second average readings up to 21.5 ppm VOC as isobutylene. An air canister sample (Canister 5055) was collected from the 01-T-56 Aeration Basin south vent (geodesic type dome opening) over the wastewater headspace at 11:23. The air canister sample analysis (see Attachment 19) indicates the 01-T-56 Aeration Basin south vent (geodesic type dome opening) wastewater headspace contained, among other VOC detected at lower levels, 9.81 ppm MTBE, 6.29 ppm ETBE, 0.035 ppm benzene and 0.022 ppm m/p-xylene.

I conducted a PID survey upwind from the wastewater system on October 19, 2012 along the Vopak fence line, north of the wastewater system. I observed that the Tiger PID 15-second average readings were up to 0.09 ppm VOC as isobutylene and Tiger Select PID with benzene selective tube, 15-second average readings up to 0.13 ppm as benzene.

Cary collected an air canister sample (Canister 5056) upwind from the wastewater system along the Vopak fence line, north of the wastewater system at 11:44. The sample analysis (see Attachment 19) indicates the upwind ambient air from the wastewater system contained, among other VOC detected at lower levels, 0.43 ppm MTBE, 0.36 ppm ETBE, 0.028 ppm benzene, 0.044 ppm MIBK and 0.024 ppm m/p-xylene.

VOPAK TERMINAL EMISSIONS POINT REVIEW

MARINE FLARES TO-1M AND TO-2M

Per information provided by Pam Smolen, Vopak Operations Engineer on October 18, 2012: The TO-1M flare system has multiple burners sharing a common stack, including the FL-STYRENE1 burner that controls emissions from styrene tanks T-784, T-787, T-791, T-792 and T-793 and the FL-MARINE1 burner that control emissions from ship and barge loading. The TO-2M flare system also has multiple burners sharing a common stack, including the FL-STYRENE2 burner that controls emissions from styrene tanks T-784, T-787, T-791, T-792 and T-793, and the FL-MARINE2 burner that control emissions from ship and barge loading.

Ms. Smolen explained that the emissions from the styrene tanks alternate between FL-STYRENE1 to FL-STYRENE2 approximately each week, and that emissions from barge/ship loading alternate between FL-MARINE1 to FL-MARINE2 on the same schedule, such that one flare stack is never controlling both the styrene tanks and ship/barge loading emissions at the same time. Ms. Smolen also mentioned that the TO-1M flare system has a dedicated propylene oxide burner that is used for ship/barge loading emissions when propylene oxide is being loaded. Ms. Smolen indicated that flare systems are air assisted and equipped with one or more air blowers, and the blowers are not adjusted, that they are usually run "wide open." Ms. Smolen also stated that during ship and barge loading, waste gases from the loading activity are metered and sufficient natural gas is added to the waste gas to maintain the required BTU content prior to combusting it in one of the flare systems, assuming the waste gas has no appreciable heat content prior to adding the natural gas. Photo 6 depicts TO-1M in the background and TO-2M in the foreground.

Cary Secrest and I conducted field observations of the TO-1M and TO-2M flare systems on October 18, 2012 (11:15 to 12:00 and 13:00 to 15:10) and October 19, 2012 (14:10 to 14:50). Winds were 5 to 7 m/s, from the northeast (30 degrees) with overcast skies on October 18, 2012, at approximately 9:29. Winds were 5 m/s, from the north-northeast (20 degrees) with partly cloudy skies on October 18, 2012, at approximately 12:56. Winds were light and northerly on October 19, 2012 with clear skies, at approximately 14:05.

TO-1M (FL-STYRENE1, FL-MARINE1 and T-700) Inspection Observations

Cary Secrest detected emissions from the TO-1M flare system with the IR camera in auto during a survey at approximately 11:25 on October 18, 2012. The recorded video shows that the detected emissions plume extended as far as four or five stack diameters away from TO-1M flare stack (see MOV_0475, (11:25) looking north). Cary noted that the IR camera temperature readings for the plume apparent temperatures were similar to the sky background apparent temperatures, indicating the detected plume was VOC.

Photo 7 shows the TO-1M flare panel. I observed that the information displayed on the panel indicated that at approximately 13:40 on October 18, 2012 approximately 80 standard cubic feet per minute (scfm) of waste gas from the styrene tanks was being fed to the FL-STYRENE1 burner, before adding natural gas to ensure adequate waste gas heat content. Photo 8 shows the TO-1M panel name plate, indicating the panel was manufactured by IT McGill, with the following markings: PNL-400, 220072, McGill Pollution Control Systems Inc, 918-445-2431. I observed that the panel had three flame indicator lights, one for BSL-301, one for BSL-302 and one for BSL-303.

Cary detected emissions from the TO-1M flare system with the IR camera in auto during surveys at approximately 13:53 and 13:58 on October 18, 2012. The recorded videos show that the detected emissions plume extended as far as four or five stack diameters away from TO-1M flare stack (see MOV_0481 (13:53), looking north and MOV_0482 (13:58), looking east). Cary noted that the IR camera

temperature readings for the plume apparent temperatures were similar to the sky background apparent temperatures, indicating the detected plume was VOC.

Cary detected emissions from the TO-1M flare system with the IR camera in auto during a survey at approximately 14:21 on October 19, 2012. The recorded video shows that the detected emissions plume extended as far as four or five stack diameters away from TO-1M flare stack (see MOV_0493 (14:21), looking north). Cary noted that the IR camera temperature readings for the plume apparent temperatures were similar to the sky background apparent temperatures, indicating the detected plume was VOC.

TO-2M (FL-STYRENE2, FL-MARINE2 and T-800) Inspection Observations

Cary Secrest detected emissions from the TO-2M flare system with the IR camera in auto during surveys at approximately 11:18 and 11:29 on October 18, 2012. The recorded videos show that the detected emissions plume extended above and beyond Tanks 927 and 928, which are located across 11th Street from TO-2M (see MOV_0474 (11:18), looking north and MOV_0476 (11:29), looking northeast). Cary noted that the IR camera temperature readings for the plume apparent temperatures were similar to the sky background apparent temperatures, indicating the detected plume was VOC.

Cary Secrest climbed Tanks 927 and 928 at approximately 11:38 on October 18, 2012 and used the Tiger PID to verify VOC emissions from TO-2M that were detected with the IR camera extending over the noted tanks. The recorded PID data indicates that the 15-second average Tiger PID readings at the top of the tanks were as high as 2.7 ppm VOC as isobutylene, indicating the detected plume from TO-2M contained VOC. Attachment 20 is an aerial image from the USGS Earth Explorer data system captured in early calendar year 2010 showing the orientation of Tanks 927 and 928, 11th Street and the TO-1M and TO-2M marine flare stacks, with respect to the wind direction on October 18, 2012 at approximately 11:30. The aerial image shows that Tanks 927 and 928 were downwind from the TO-2M marine flare stack.

Photo 9 shows the TO-2M flare panel on October 18, 2012. I observed that the panel had four flame indicator lights, one for "First Stage", one for "Second Stage-A", one for "Second Stage-B" and one for "Propylene Oxide", indicating that the TO-2M flare system may have a dedicated propylene oxide burner used for ship/barge loading emissions when propylene oxide is being loaded. Photo 10 shows the TO-2M panel name plate, indicating the panel was manufactured by John Zink Co, with the following markings: CE-1, 922526.

Cary and I viewed the TO-2M flare system monitoring data on a computer screen at the Vopak Terminal Marine Control Room on October 18, 2012. The on-duty operator indicated that the TO-2M flare system was currently controlling waste gas from ETBE loading activity, and that the loading activity began October 17, 2012, and will continue all day on October 18, 2012. Permit 466A requires use of a flare for control of emissions during ETBE ship loading, with the loading rate not to exceed 15,000 bbl/hr. The computer screen data indicated that at 14:21: TE-804 was measuring a temperature of 498.8 degrees F, and FT-130B was measuring a flow rate of approximately 580 scfm of loading vapor waste gas (prior to natural gas addition). At 14:38: natural gas was being added at a rate of approximately 240 scfm with the natural gas valve was open 38%, temperature was 537.6 degrees F and the waste gas flow rate was 638 scfm. Cary and I observed the location where natural gas is added to the waste gas at the No. 2 Ship Dock. The natural gas pressure gauge indicated the natural gas line was at a pressure of 40 psi.

Cary Secrest climbed Tanks 927 and 928 at approximately 15:05 on October 18, 2012 and used both PIDs to verify VOC emissions from TO-2M that were detected with the IR camera extending over the noted tanks. The recorded PID data indicates that the 15-second average Tiger PID readings at the top of the tanks were as high as 3.98 ppm VOC as isobutylene and that the Tiger Select PID without benzene

selective tube, had 15-second average readings up to 3.75 ppm VOC as benzene, indicating the detected plume from TO-2M contained VOC. See Attachment 20 again for the orientation of Tanks 927 and 928, 11th Street and the TO-1M and TO-2M marine flare stacks, with respect to the wind direction on October 18, 2012 at approximately 15:00. The aerial image shows that Tanks 927 and 928 were downwind from the TO-2M marine flare stack.

I detected emissions from the TO-2M flare system with the IR camera in auto during a survey at approximately 15:07 on October 18, 2012, while Cary was climbing Tanks 927 and 928. The recorded video shows the detected emissions plume extended above and beyond Tanks 927 and 928, which are located across 11th Street from TO-2M (MOV_0483 (15:07), looking east).

Cary detected emissions from the TO-2M flare system with the IR camera in auto during surveys at approximately 14:16, 14:18 and 14:24 on October 19, 2012. The recorded video shows the detected emissions plume extended above and beyond Tanks 927 and 928, which are located across 11th Street from TO-2M (see MOV_0491 (14:16), looking northeast, see MOV_0492 (14:18), looking northeast and MOV_0494 (14:24) looking northeast). Cary noted that the IR camera temperature readings for the plume apparent temperatures were similar to the sky background apparent temperatures, indicating the detected plume was VOC.

400 TANKS AREA EMISSIONS POINT REVIEW

During the IR camera and PID surveys in the 400 Tanks Area, Cary Secrest noted on October 16, 2012 at 15:38 that Tanks 403 through 411 have flattened areas along the walls of the tanks and are not smooth/round. Clifton Ferrell noted on October 16, 2012 that some internal floating roof (IFR) tanks may have more emissions at Vopak Terminal when compared with other similar tanks, because Vopak Terminal is in the process of changing out old foam IFR tank seals with more efficient mechanical shoe type seals.

Cary Secrest and I conducted inspection observations in the 400 Tanks Area on October 16, 2012 (13:40 to 15:20) and October 18, 2012 (9:40 to 9:55). Winds were 1.5 m/s, from the east-northeast (70 degrees) with overcast skies, on October 16, 2012, at approximately 13:20. Winds were 5 to 7 m/s, from the northeast (30 degrees) with overcast skies, on October 18, 2012, at approximately 9:30.

On October 17, 2012 Clifton Ferrell provided a document, included as Attachment 21, which documents that Tank 411 was being drawn down on October 16, 2012 for tank truck loading from 13:22 until 14:19. Tank truck STAR 50134 was the referenced truck ID. On October 18, 2012 at approximately 9:30 Clifton Ferrell indicated that Tank 411 was still scheduled to be drawn down on October 18, 2012 at a rate of approximately 20 tank trucks per day. However, no documentation was provided by Vopak Terminal to verify what activity, if any, was occurring at Tank 411 during the 9:47 IR camera survey.

On October 17, 2012 Clifton Ferrell stated that there was no activity on October 16, 2012 involving filling or drawing down of Tanks 403, 404, 405, 406, 407, 408, 410. Cary detected emissions from Tanks 403 (see MOV_0454), 404 (see MOV_0453), 405 (see MOV_0455), 407 (see MOV_0457 and MOV_458), 408 (see MOV_0450, MOV_0451 and MOV_0452), 410 (see MOV_0449), and 411(see MOV_0448) with the IR camera in HSM and auto during surveys on October 16, 2012.

600 TANKS AREA EMISSIONS POINT REVIEW

Cary Secrest and I conducted inspection observations in the 600 Tanks Area on October 17, 2012 (9:15 to 10:10 and 13:45 to 14:25). Winds were 3 to 4 m/s, no calm periods, from the south (180 degrees), on October 17, 2012, at approximately 8:45. Winds were 3 to 4 m/s, from the southwest, on October 17,

2012, at approximately 12:10. Tanks in the 600 Tanks Area with low VOC vapor pressures or that were out of service, including Tanks 604 (Caustic Soda), 605 (Biodiesel, B99), 607 (out of service), 609 (Caustic Soda), 610 (Caustic Soda), 613 (Alpha Olefins, C10, 1-Decene, VOC vapor pressure 0.03 psi), 614 (Exxal 8, VOC vapor pressure 0.02 psi) and 615 (Biodiesel B 100) were not surveyed with the IR camera or PIDs.

I observed that PID concentrations were elevated at ground level downwind from Tank 602 on October 17, 2012 at approximately 9:22, with Tiger PID 15-second average readings up to 2.7 ppm VOC as isobutylene and Tiger Select PID, without benzene selective tube, 15-second average readings up to 1.6 ppm VOC as benzene. Cary initially detected emissions with the IR camera, also from ground level, but Cary was unable to identify the specific vent or vents that were emitting from ground level. The vents on Tank 602 are located on the top of the tank. Cary Secrest and I climbed this tank with Ron Sears of Vopak, who brought a flame ionization detector (FID) with him. Mr. Sears reported that his FID detected elevated concentrations on the top of the tank at the same time PID concentration readings were also elevated. I observed that the Tiger Select PID concentrations without benzene selective tube were elevated on top of Tank 602, downwind from a roof vent at approximately 9:30 on October 17, 2012, with 15-second average readings up to 15.1 ppm VOC as benzene (Tiger PID 15-second average readings were up to 0.25 ppm VOC as isobutylene at the time). Cary detected emissions from two vents on the roof of Tank 602 with the IR camera in HSM and auto during a survey on October 17, 2012 at approximately 9:35 (see MOV_0460). The vents were observed emitting intermittently indicating that this tank may be equipped with a nitrogen blanket to prevent air intrusion and potential oxidation of the product.

Cary detected emissions from Tanks 601 (see MOV_0461), 602 (see MOV_0460) and 606 (see MOV_0465) with the IR camera in HSM and auto during a survey on October 17, 2012. At approximately 10:20 on October 17, 2012 while traveling on 1st Street in a Vopak vehicle, I noticed a portable thermal oxidizer connected to Tank 603. Cary conducted an IR camera survey and I conducted a PID survey around the portable thermal oxidizer. I observed that the PID concentration readings were not elevated and the Cary confirmed based on IR Camera imaging that the portable thermal oxidizer was not operating during the survey.

500 TANKS AREA EMISSIONS POINT REVIEW

Cary Secrest and I were unable to conduct IR camera and PID surveys in the area around Tanks 500 through 504 on October 17, 2012 at approximately 10:30 because there was caution tape across High Road. Cary and I noted a vacuum truck and portable thermal oxidizer were on High Road near Tank 503, in the area the inspection team was unable to access because of the caution tape. Cary and I made another attempt to conduct IR camera and PID surveys in the area around Tanks 500 through 504 on October 18, 2012 at approximately 10:00, but we were unable to conduct the survey in that area because of VOC emissions that were detected coming from the P-Pit (see P-Pit Emissions Point Review, P-Pit Inspection Observations, and areas of concern Nos. 12, 13 and 14 below for more information about the P-Pit area).

Cary and I conducted inspection observations in the 500 Tanks Area on October 17, 2012 (10:25 to 11:05 and 12:50 to 13:45). Winds were 3 to 4 m/s, no calm periods, from the south (180 degrees), on October 17, 2012, at approximately 8:45. Winds were 3 to 4 m/s, from the southwest, on October 17, 2012, at approximately 12:10. Cary detected emissions from Tank 520 with the IR camera in HSM and auto during a survey on October 17, 2012 at approximately 13:27 (see MOV_0464).

700 TANKS AREA EMISSIONS POINT REVIEW

Cay Secrest and I conducted inspection observations in the 700 Tanks Area on October 17, 2012 (14:50 to 15:30). Winds were 3 to 4 m/s, from the southwest, on October 17, 2012, at approximately 12:10. Cary

detected emissions from one vent on Tanks 720 (see MOV_0466) and 721 (see MOV_0467) with the IR camera in HSM and auto during a survey on October 17, 2012.

900 TANKS AREA EMISSIONS POINT REVIEW

Cary Secrest and I conducted inspection observations in the 900 Tanks Area on October 17, 2012 (15:50 to 16:09) and October 18, 2012 (10:30 to 11:10). Winds were 3 to 4 m/s, from the southwest, on October 17, 2012, at approximately 12:10. Winds were 5 to 7 m/s, from the northeast (30 degrees), on October 18, 2012, at approximately 8:49.

Clifton Ferrell confirmed that the tank vents on Tank 918 are conservation vents on the roof of the tank. Mr. Ferrell stated on October 18, 2012 at approximately 10:40 that this tank and others that store reactive products such as olefins and propylene oxide have nitrogen blankets. A nitrogen blanket can be identified on tanks at Vopak Terminal by the presence of orange piping leading to the roof of the tank. Mr. Ferrell said that the conservation vents and nitrogen blankets are used to minimize the amount of air entering a tank because oxygen in the air can cause problems with the product in the tank. Orange piping was also observed leading to the roof of Tank 917, indicating that the tank is equipped with a nitrogen blanket and conservation vents. Tank 917 had insulation that prevented an estimate of the tank level during the survey.

I observed that the PID concentration readings were elevated at ground level downwind from Tank 918 at approximately 10:36, with Tiger PID 15-second average readings up to 0.49 ppm VOC as isobutylene and Tiger Select PID, without benzene selective tube, 15-second average readings up to 1.8 ppm VOC as benzene. Cary detected emissions from Tank 918 with the IR camera in HSM and auto during a survey on October 18, 2012 at approximately 10:44 (see MOV_0473). During the survey the PID and IR camera data indicated that the tank was venting periodically from the roof, once every nine minutes with each venting episode lasting approximately three seconds.

P-PIT AREA EMISSIONS POINT REVIEW

The plot plans provided depict pipeways adjacent to tank areas, which are used to transport liquid products to and from Vopak Terminal's tanks and the various ship, barge, rail car and tank truck loading stations. The plot plans depict locations along the pipeways that are denoted with a single letter. These locations are identified by signs and Vopak Terminal personnel as "pits", and the pits provide access to the pipeway piping and associated equipment for maintenance activity, including activities associated with removing residual product in the piping whenever a change in service in necessary, to prevent cross contamination of the different products.

Cary Secrest and I conducted inspection observations near the P-Pit Area on October 17, 2012 (10:28 to 10:32) and October 18, 2012 (9:59 to 10:20). Winds were 3 to 4 m/s, no calm period, from the south (180 degrees), on October 17, 2012 at approximately 8:45. Winds were 3 to 4 m/s, from the southwest, on October 17, 2012, at approximately 12:10. Winds were 5 to 7 m/s, from the northeast (30 degrees), on October 18, 2012, at approximately 8:49.

The P-Pit is located along a pipeway, across High Road and just east of Tank 503. Cary Secrest and I were attempting to conduct IR camera and PID surveys in the vicinity of Tanks 500 through 504 at approximately 10:30 on October 17, 2012. We were unable to access to the area around these tanks because of caution tape that extended across High Road. We observed a vacuum truck and portable thermal oxidizer on the other side of the caution tape, approximately 100 feet south of the caution tape, on High Road near P-Pit and Tank 503. I observed that PID concentration readings were elevated at ground level downwind from Tank 505 at approximately 10:30 on October 17, 2012, with Tiger PID 15-second

average readings up to 1.3 ppm VOC as isobutylene and Tiger Select PID, without benzene selective tube, 15-second average readings up to 1.1 ppm VOC as benzene. However, Cary detected no emissions from Tank 505 with the IR camera during the survey and the tank inventory list provided indicates this tank was out of service. The location downwind from Tank 505 was also downwind from the vacuum truck and portable thermal oxidizer that were noted on High Road near Tank 503 and P-Pit during the survey.

Cary Secrest and I attempted again to conduct IR camera and PID surveys in the vicinity of Tanks 500 through 504 at approximately 10:00 on October 18, 2012. We crossed High Road and as we began our PID survey upwind of Tank 501, I noticed that the PID concentration readings were elevated, with Tiger PID 15-second average readings up to 37.23 ppm VOC as isobutylene and Tiger Select PID, without benzene selective tube, 15-second average readings up to 46.95 ppm VOC as benzene. Attachment 22 is an aerial image from the USGS Earth Explorer data system captured in early calendar year 2010 showing the orientation of Tank 501, 503, High Road and the P-Pit, with respect to the wind direction on October 18, 2012 at approximately 10:00. The aerial image shows that the position upwind from Tank 501 was downwind from the P-Pit area.

Cary Secrest and I, along with our escort Clifton Ferrell immediately backtracked to get out of the plume that was detected by the PIDs. Cary Secrest used the IR camera from a crosswind location to determine that the emissions detected by the PIDs were coming from the P-Pit. Cary detected emissions from the P-Pit with the IR camera in HSM and auto during a survey at approximately 10:44 (see MOV_0470). Photo 11 shows a picture of the P-Pit, looking north, including two open ended 18 inch pipes without any cap, blind flange, plug, or valves.

Clifton Ferrell stated, based on radio conversations he had at approximately 10:15, that the line was being purged with nitrogen and that the line previously contained MTBE. During the daily briefing on October 18, 2012, Clifton Ferrell further explained that the line was being cleaned, that it was cleared and tested the day before using vapor recovery and a portable thermal oxidizer, and that on October 18, 2012 when emissions from the P-Pit were detected with the PIDs and IR camera, that the line was being purged with nitrogen. Mr. Ferrell reported that the purging was immediately discontinued after the emissions were detected with the PIDs and IR camera. Cary Secrest requested documentation from Vopak Terminal describing what happened, such as a root cause analysis, at approximately 10:20 on October 18, 2012, and again during the daily briefing on October 18, 2012. A Marine Pipeline Activity Query report dated October 17, 2012 was provided by Vopak Terminal and is included as Attachment 22.

Section III - AREAS OF CONCERN

1. Vopak Logistics Services USA Inc is not operating the emission sources as represented by Permit 87923.
   - The Wastewater System has numerous uncovered components, open to the atmosphere and emitting volatile organic compounds (VOC) and hazardous air pollutants (HAP), including:
     - 01-T-569 Receipt Tank
     - 01-T-570 and 01-T-571 Equalization Basins
     - Floc Tanks
     - 01-C-5 IDAF Dissolved Air Flotation (DAF)
     - DAF Sump
     - 01-T-56 Aeration Basin
   - Various permitted Wastewater System and Deepwell System components are not in service and the Floc Tanks and DAF sump are not authorized as emissions sources in the permit.
   - Vopak Logistics Services USA Inc is not conducting quarterly Wastewater System sampling for VOC speciation.
   - Vopak Logistics Services USA Inc is not estimating emissions from the Wastewater System based upon sampling.
   - Vopak Logistics Services USA Inc is processing/treating compounds not authorized in Attachment 1 of the permit.
   - Infrared (IR) camera imaging of the 01-T-569 Receipt Tank, photo-ionization detector (PID) monitoring throughout the Wastewater System area and analyses of water/air samples of various Wastewater System components collected during the inspection do not appear to be consistent with the permit hourly VOC and benzene emissions limitations for the Wastewater System.

2. Vopak Logistics Services USA Inc is contiguous to Vopak Terminal Deer Park Inc, a major source of HAP, and both sites are under common control. Vopak Logistics Services USA Inc accepts and treats waste from one or more offsite facilities. The site may therefore have applicable control requirements under 40 CFR Part 63, Subpart DD, National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery.

3. Vopak Logistics Services USA Inc's Wastewater System may require control equipment if the facility has an affected VOC wastewater stream as defined in 30 TAC §115.140. The determination regarding affected VOC wastewater stream could not be made because the facility is not measuring influent flow rates and concentrations prior to exposing the wastewater stream to the atmosphere in the open top 01-T-569 Receipt Tank, the first component of the Wastewater Treatment System.

4. Vopak Logistics Services USA Inc separates hydrocarbon and aqueous phases of wastewater via gravity in Wastewater System open top tanks, including the 01-T-569 Receipt Tank and 01-T-570 and 01-T-571 Equalization Basins. 30 TAC §115. 132(a) requires control for VOC/Water Separation in the Houston/Galveston area that separate VOC with true partial pressures greater than 0.5 psia.

5. Vopak Logistics Services USA Inc's operations are not authorized by a Title V Federal Operating Permit (FOP). However, Vopak Logistics Services USA Inc and Vopak Terminal Deer Park Inc are contiguous and under common control, and Vopak Terminal Deer Park Inc is a major source of HAP, VOC and nitrogen oxides (NOx), authorized for operation by FOP O-01068.

6. Vopak Terminal Deer Park Inc emissions from TO-1M (FL-700) and TO-2M (FL-800) Marine Flares may exceed the VOC emissions limits and permit application representations of Permit 466A.

7. Vopak Terminal Deer Park Inc may not operate the TO-1M (FL-700) and TO-2M (FL-800) Marine Flares properly, or in a manner consistent with good air pollution control, as required by 30 TAC §116.615(9) (Standard Permits – General Conditions – Maintenance of Emission Control). The Marine Flares control emissions from styrene storage tanks T-784, T-787, T-791, T-792 and T-793 authorized by TCEQ Standard Air Permit No. 80015.

8. Vopak Terminal Deer Park Inc's TO-1M (FL-700) and TO-2M (FL-800) Marine Flares may not reduce benzene loading emissions by 98% as required by 40 CFR §61.302(b) (NESHAP Subpart BB – National Emission Standard for Benzene Emissions from Benzene Transfer Operations).

9. Vopak Terminal Deer Park Inc's TO-1M (FL-700) and TO-2M (FL-800) Marine Flares may not reduce VOC emissions at a 90% control efficiency as required by 30 TAC §115.212(a)(6)(A) for VOC loading at marine terminals in the Houston/Galveston area.

10. Vopak Terminal Deer Park Inc emissions from ship/barge loading emissions controlled by TO-1M (FL-700) and TO-2M (FL-800) Marine Flares may exceed the major source threshold for HAPs. As a major source, the facility is subject to the control requirements of 40 CFR Part 63, Subpart Y (National Emission Standards for Marine Tank Vessel Loading Operations). This is not an applicable requirement in Vopak Terminal Deer Park Inc's FOP O-01068.

11. Vopak Terminal Deer Park Inc emissions from Tanks 403, 404, 405, 407, 408, 410, 411, 520, 601, 602, 606, 720, 721 and 918 may exceed the VOC limits or permit application representations of Permit 466A.

12. On October 18, 2012 Vopak Terminal Deer Park Inc emitted methyl-tert-butyl ether (MTBE) from a pipe or pipes in the P-Pit area during maintenance activities that are not consistent with any TCEQ emissions authorization or otherwise subject to an affirmative defense under 30 TAC §101.222.

13. On October 18, 2012 Vopak Terminal Deer Park Inc vented uncontrolled VOC emissions from a pipe or pipes in the P-Pit area during planned maintenance activities. 30 TAC §115.122 requires control of VOC vent gas emissions.

14. On October 18, 2012 Vopak Terminal Deer Park Inc vented MTBE at ground level from a pipe or pipes in the P-Pit area across an open roadway during maintenance activities. MTBE exposure is associated with chronic and acute human health effects, and MTBE is flammable, a listed HAP, and a listed hazardous substance under Section 112 of the Clean Air Act (CAA). Venting MTBE at ground level without monitoring emissions or limiting access of personnel and vehicles to the area is a failure to design, maintain and operate a stationary source in a safe manner, as required by CAA §112(r)(1).

15. Vopak Terminal Deer Park Inc modified Tanks 606, 561, 513, 520, 535, 536, 764, 786 and 790 according to Attachment 5. The modification may have resulted in applicability to 40 CFR Part 60, Subpart Kb. FOP No. O-01068 does not indicate that the tanks are subject to NSPS Subpart Kb.

16. Vopak Logistics Services USA Inc's Permit 87923 and Vopak Terminal Deer Park Inc's Permit 466A both identify, authorize operation of, and establish emissions limitations for Tanks 584, 585, 589 and 590.

17. Vopak Logistics Services USA Inc's Permit 87923 authorizes operation of the Wastewater Treatment System. The facility operates Tank 530 as part of the Wastewater Treatment system, but TCEQ Permit 466A, issued to Vopak Terminal Deer Park Inc, authorizes operations and establishes emissions limitations for Tank 530.

Attachments

1. Tank Inventory Lists provided October 15 and 16, 2012
2. Site Plot Plans
3. Dun & Bradstreet Reports and Texas Secretary of State Corporation Information
4. CAA Section 114 Information Request dated August 24, 2012
5. Vopak Terminal Response to CAA Section 114 Information Request dated November 14, 2012
6. TCEQ Permit 87923, issued to Vopak Logistics Services USA Inc., May 3, 2011
7. TCEQ Permit 466A, issued to Vopak Terminal Deer Park Inc., December 20, 2011
8. Two Compact Disks with Video and Image Files, Spreadsheet File with all PID data collected during the inspection (vopak PID Master File 10 15 to 10 19 2012), and a summary spreadsheet file (Master Log of Data Vopak)
9. Photo Log – 11 photos taken October 15-19, 2012
10. PID Calibration Records
11. Daily Briefing Dates and Attendees
12. Vopak Inspection Observations Summary Table (Master Log)
13. Disposal Area Plot Plan and Deepwell System Flow Diagram
14. Wastewater System Aerial Image, USGS, captured 2010
15. Wastewater System Aerial Image, Bing, captured 2011
16. Wastewater System Birds Eye View, Bing, unknown capture date
17. Disposal Work Order EM No. 20-21 and Manifest UPDP 37752
18. Harris County Liquid Samples Analyses Results Reports
19. Air Canister Samples Analyses Reports
20. TO-1M and TO-2M Marine Flare Stacks Area Aerial Image, USGS captured 2010
21. Vopak Terminal Tank Truck Activity Report Provided on October 17, 2012
22. P-Pit Area Aerial Image, USGS captured 2010
23. Vopak Terminal Marine Pipeline Activity Query Report Dated October 17, 2012

Vopak Terminal Deer Park Inc.
P.O. Box 897
2759 Independence Parkway South
Deer Park, TX 77536
United States

Telephone 281-604-6000
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www.vopak.com

AI/AI/CO 110000757752

445780

Mr. Jason Harris
Air Section Manager
Texas Commission on Environmental Quality (TCEQ)
Region 12
5425 Polk Avenue, Ste. H
Houston, Texas 77023-1486

Telephone direct
281-604-6094

Fax direct
281-604-7213

Date
April 26th, 2013

E-mail direct
Clifton.ferrell@vopak.com

Subject
Title V Deviation Reporting; Semi-annual Report; Operating Permit No. O-01068; Vopak Terminal Deer Park, Inc.; Deer Park, Texas, Harris County; RN100225093

Dear Mr. Harris,

In accordance with 30 TAC 122.145(2), Vopak Terminal Deer Park, Inc. (Vopak) is hereby submitting this report of compliance status for the semi-annual period beginning September 27, 2012 and ending March 26, 2013. Deviations from the terms and specific conditions of the operating permit that occurred during this period are summarized on the attached Texas Operating Permit Deviation Report Forms. A completed Form OP-CRO1 is also attached providing the required duly authorized representative certification.

If you have any questions, or require additional information, please contact me at 281-604-6133.

Regards,

Lisa Alford
Environmental Specialist, Gulf Coast

Cc: EPA Region 6
TCEQ Region 12
Mr. Colin Scott, General Manager Gulf Coast - Vopak
Mr. Clifton Ferrell, Environmental & Quality Manager, Gulf Coast - Vopak

Form OP-CRO1
Certification by Responsible Official
Federal Operating Permit Program

All initial permit application, revision, renewal, and reopening submittals requiring certification must be addressed using this form. Updates to site operating permit (SOP) and temporary operating permit (TOP) applications, other than public notice verification materials, must be certified prior to authorization of public notice or start of public announcement. Updates to general operating permit (GOP) applications must be certified prior to receiving an authorization to operate under a GOP.

I. IDENTIFYING INFORMATION

A. RN: RN100225093	B. CN: CN601178734	C. Account No.: HG-0629-I
D. Permit No.: O-01068	E. Project No.: N/A	
F. Area Name: Vopak Terminal Deer Park, Inc.		
G. Company Name: Vopak Terminal Deer Park		

II. CERTIFICATION TYPE *(Please mark the appropriate box)*

A. ☒ Responsible Official:	B. ☐ Duly Authorized Representative:

III. SUBMITTAL TYPE *(Place an "X" in the appropriate box) (Only one response can be accepted per form)*

☐ SOP/TOP Initial Permit Application	☐ Update to Permit Application
☐ GOP Initial Permit Application	☐ Permit Revision, Renewal, or Reopening
☒ Other: Semi-annual Deviation Report	

IV. CERTIFICATION OF TRUTH

This certification does not extend to information which is designated by the TCEQ as information for reference only.

I, Colin Scott, certify that I am the RO for this application
(Certifier Name printed or typed) *(RO or DAR)*

and that, based on information and belief formed after reasonable inquiry, the statements and information dated during the time period in Section IV.A below, or on the specific date(s) in Section IV.B below, are true, accurate, and complete:

Note: Enter EITHER a Time Period OR Specific Date(s) for each certification. This section must be completed. The certification is not valid without documentation date(s).

A. Time Period: From September 27, 2012 to March 26, 2013
*Start Date** *End Date**

OR

B. Specific Dates: _____ _____ _____ _____ _____ _____ _____ _____
*Date 1** *Date 2** *Date 3** *Date 4** *Date 5** *Date 6** *Date 7** *Date 8**

**The Time Period option may only be used when the "Submittal Type" is 'Update to Permit Application' and there are multiple uncertified submittals; or a submittal package has multiple dates recorded in the documentation. Do not use the Time Period option if the "Submittal Type" is 'Other.'*

Signature: _____ Signature Date: 4/26/13

Title: General Manager, Gulf Coast

Texas Commission on Environmental Quality
Federal Operating Permit Deviation Report Form
Form Dev Rep (Part 1)

Permit Holder Name	Vopak Terminal Deer Park, Inc.					Customer Number	CN601178734
Area Name	Vopak Terminal Deer Park, Inc.					Account Number	HG-0629-I
Report Period Start Date	September 27, 2012	Report Period End Date	March 26, 2013	Operating Permit Number	O-01068	Report Submittal Date	April 26, 2013

Operating Permit Requirement for Which Deviations are Being Reported

ID Number		Term & Condition No.	Pollutant	Regulatory Requirement Citation	Type of Requirement	SOP or GOP Index Number	Monitoring Method	Monitoring Frequency
Unit ID	Group ID							
N/A	N/A	FOP #O-01068, SC #17; NSR #466A, SC #1	VOC	30 TAC 116.115(c)	STANDARD	N/A	N/A	N/A

Dev Item No.	STEERS Incident No.	Deviation Period				No. of Dev	Cause of Deviation	Corrective Action Taken to Remedy or Mitigate Deviation Situation
		Start		End				
		Date	Time	Date	Time			
1	N/A	10/08/12	07:09	10/08/12	08:09	1	Approximately 5 gallons of benzene was spilled into containment due to a leaking valve.	The flange was tightened to stop the leak and the area was cleaned immediately.
2	N/A	10/10/12	19:00	10/10/12	20:00	1	A leaking pipeline flange resulted in a spill of approximately 5 gallons of Biodiesel B99 within containment.	Product movement was immediately shutdown. The line was pigged and the leaking flange was repaired. The area was cleaned immediately.
3	N/A	10/29/12	07:00	10/29/12	09:00	1	An open bleeder valve resulted in a spill of approximately 10 gallons of Ethanol within containment.	The bleeder valve was immediately closed and the affected area was cleaned using a vacuum truck.
					Total Deviations:	3	**Is there a Part 3 Miscellaneous Monitoring/Credible Evidence form supporting this deviation report?**	☐ YES ■NO

AIR CO/_____/RP

Texas Commission on Environmental Quality
Federal Operating Permit Deviation Report Form
Form Dev Rep (Part 1)

Permit Holder Name	Vopak Terminal Deer Park, Inc.					Customer Number	CN601178734
Area Name	Vopak Terminal Deer Park, Inc.					Account Number	HG-0629-I
Report Period Start Date	September 27, 2012	Report Period End Date	March 26, 2013	Operating Permit Number	O-01068	Report Submittal Date	April 26, 2013

Operating Permit Requirement for Which Deviations are Being Reported

ID Number		Term & Condition No.	Pollutant	Regulatory Requirement Citation	Type of Requirement	SOP or GOP Index Number	Monitoring Method	Monitoring Frequency
Unit ID	Group ID							
N/A	N/A	FOP #O-01068, SC #17; NSR #466A, SC #1	VOC	30 TAC 116.115(c)	STANDARD	N/A	N/A	N/A

Dev Item No.	STEERS Incident No.	Deviation Period				No. of Dev	Cause of Deviation	Corrective Action Taken to Remedy or Mitigate Deviation Situation
		Start		End				
		Date	Time	Date	Time			
4	N/A	11/04/12	13:15	11/04/12	14:15	1	A leak in the #9 Line resulted in a spill of approximately 10 gallons of Aromatic 200 ND.	The movement was shutdown and the affected area was immediately cleaned.
5	N/A	11/06/12	06:10	11/06/12	07:10	1	A pinhole leak in the STA 16-9 pipeline resulted in a spill of approximately 2 gallons of Aromatic 200 ND.	The pinhole leak was repaired and the affected area was immediately cleaned.
6	N/A	11/19/12	00:21	11/19/12	01:21	1	A ruptured hose resulted in a spill of approximately 10 gallons of V175BS within containment.	The movement was shut down and the hose was replaced. Contractors were called to clean the affected area.
7	N/A	12/14/12		12/14/12		1	A small spill of approximately 5 gallons of Biodiesel occurred at the Station 22 during a loading activity due to an open bypass.	The activity was ceased and the bypass valve was closed. The affected area was immediately cleaned.
					Total Deviations:	4	**Is there a Part 3 Miscellaneous Monitoring/Credible Evidence form supporting this deviation report?**	☐ YES ■NO

AIR CO/_____/RP

Texas Commission on Environmental Quality
Federal Operating Permit Deviation Report Form
Form Dev Rep (Part 1)

Permit Holder Name	Vopak Terminal Deer Park, Inc.					Customer Number	CN601178734
Area Name	Vopak Terminal Deer Park, Inc.					Account Number	HG-0629-I
Report Period Start Date	September 27, 2012	Report Period End Date	March 26, 2013	Operating Permit Number	O-01068	Report Submittal Date	April 26, 2013

Operating Permit Requirement for Which Deviations are Being Reported

ID Number		Term & Condition No.	Pollutant	Regulatory Requirement Citation	Type of Requirement	SOP or GOP Index Number	Monitoring Method	Monitoring Frequency
Unit ID	Group ID							
N/A	N/A	FOP #O-01068, SC #17; NSR #466A, SC #1	VOC	30 TAC 116.115(c)	STANDARD	N/A	N/A	N/A

Dev Item No.	STEERS Incident No.	Deviation Period				No. of Dev	Cause of Deviation	Corrective Action Taken to Remedy or Mitigate Deviation Situation
		Start		End				
		Date	Time	Date	Time			
8		01/21/13	04:50	01/21/13	17:00	1	A blown gasket resulted in a spill of approximately 1,900 gallons of Amodrill 1000 within containment.	The leak was repaired and contractors arrived at the scene with vacuum trucks to immediately clean the affected area.
9		01/28/13	14:58	01/28/13	16:00	1	A leaking gasket resulted in a spill of approximately 5 gallons of product at SD-1.	The line was pigged and secured and the gasket was replaced. The affected area was cleaned immediately.
10		01/28/13	15:02	01/28/13	15:45	1	A tank car back-filled resulting in a leak from the pressure relief valve of approximately 5 gallons of Tallow Oil into containment.	The movement was shut down and the affected area was immediately cleaned.
11		02/02/13	10:00	02/02/13	11:00	1	A tank car was over-filled resulting in a spill of approximately 10 gallons of Biodiesel into containment.	The movement was already in the process of being shutdown when the incident occurred. The affected area was cleaned immediately.
				Total Deviations:		4	**Is there a Part 3 Miscellaneous Monitoring/Credible Evidence form supporting this deviation report?**	☐ YES ■NO

Texas Commission on Environmental Quality
Federal Operating Permit Deviation Report Form
Form Dev Rep (Part 1)

Permit Holder Name	Vopak Terminal Deer Park, Inc.					Customer Number	CN601178734
Area Name	Vopak Terminal Deer Park, Inc.					Account Number	HG-0629-I
Report Period Start Date	September 27, 2012	Report Period End Date	March 26, 2013	Operating Permit Number	O-01068	Report Submittal Date	April 26, 2013

Operating Permit Requirement for Which Deviations are Being Reported

ID Number		Term & Condition No.	Pollutant	Regulatory Requirement Citation	Type of Requirement	SOP or GOP Index Number	Monitoring Method	Monitoring Frequency
Unit ID	Group ID							
N/A	N/A	FOP #O-01068, SC #17; NSR #466A, SC #1	VOC	30 TAC 116.115(c)	STANDARD	N/A	N/A	N/A

Dev Item No.	STEERS Incident No.	Deviation Period				No. of Dev	Cause of Deviation	Corrective Action Taken to Remedy or Mitigate Deviation Situation
		Start		End				
		Date	Time	Date	Time			
12	N/A	02/08/13	08:10	02/08/13	09:10	1	A meter skid lid gasket ruptured resulting in a spill of approximately 5 gallons of Hygold L-2000 in containment.	The gasket was repaired and the affected area was cleaned.
13	N/A	02/10/13	15:00	02/10/13	16:00	1	A leak in OP-1 resulted in a spill of <1 gallon of Caustic Soda into containment.	Valves were closed and locked-out to stop the leak, and the area was cleaned.
14	N/A	02/18/13	08:45	02/18/13	10:45	1	An unsecured flange on the #112 dock line resulted in a spill of approximately 15 gallons of Ethanol.	The activity was shut down and the line was secured to stop the spill. The affected area was cleaned.
					Total Deviations:	3	**Is there a Part 3 Miscellaneous Monitoring/Credible Evidence form supporting this deviation report?**	☐ YES ■NO

AIR CO/_____/RP

Texas Commission on Environmental Quality
Federal Operating Permit Deviation Report Form
Form Dev Rep (Part 1)

Permit Holder Name	Vopak Terminal Deer Park, Inc.					Customer Number	CN601178734
Area Name	Vopak Terminal Deer Park, Inc.					Account Number	HG-0629-I
Report Period Start Date	September 27, 2012	Report Period End Date	March 26, 2013	Operating Permit Number	O-01068	Report Submittal Date	April 26, 2013

Operating Permit Requirement for Which Deviations are Being Reported

ID Number		Term & Condition No.	Pollutant	Regulatory Requirement Citation	Type of Requirement	SOP or GOP Index Number	Monitoring Method	Monitoring Frequency
Unit ID	Group ID							
N/A	N/A	FOP #O-01068, SC #17; NSR #466A, SC #1	VOC	30 TAC 116.115(c)	STANDARD	N/A	N/A	N/A

Dev Item No.	STEERS Incident No.	Deviation Period				No. of Dev	Cause of Deviation	Corrective Action Taken to Remedy or Mitigate Deviation Situation
		Start		End				
		Date	Time	Date	Time			
15	N/A	02/18/13	23:07	02/19/13	00:30	1	A leak in a hose near T744 resulted in a spill of approximately 5 gallons of Hygold V175BS.	A rubber cradle was added to the hose and the affected area was cleaned.
16	180187	03/07/13	12:55	03/07/13	15:00	1	Excess pressure in the #5 line resulted in a spill of approximately 45 gallons of benzene in containment.	The line was secured immediately and the contents of the line were pigged back to the tank. Contractors were immediately called to the scene and began to vacuum out the containment area.
17	N/A	03/25/13	01:35	03/25/13	03:30	1	A gasket failure at the #1 line resulted in a spill of approximately 5 gallons of Biodiesel into the ship channel.	The line was secured immediately and the gasket was repaired. The affected area was cleaned by third-party contractors.
					Total Deviations:	3	**Is there a Part 3 Miscellaneous Monitoring/Credible Evidence form supporting this deviation report?**	☐ YES ■NO

AIR CO/_____/RP

Texas Commission on Environmental Quality
Federal Operating Permit Deviation Report Form
Form Dev Rep (Part 1)

Permit Holder Name	Vopak Terminal Deer Park, Inc.					Customer Number	CN601178734
Area Name	Vopak Terminal Deer Park, Inc.					Account Number	HG-0629-I
Report Period Start Date	September 27, 2012	Report Period End Date	March 26, 2013	Operating Permit Number	O-01068	Report Submittal Date	April 26, 2013

Operating Permit Requirement for Which Deviations are Being Reported

ID Number		Term & Condition No.	Pollutant	Regulatory Requirement Citation	Type of Requirement	SOP or GOP Index Number	Monitoring Method	Monitoring Frequency
Unit ID	Group ID							
AAS-1	N/A	FOP #O-01068, SC #17; NSR #466A, SC #14	VOC	30 TAC 116.115(c)	Standard	N/A	N/A	N/A

Dev Item No.	STEERS Incident No.	Deviation Period				No. of Dev	Cause of Deviation	Corrective Action Taken to Remedy or Mitigate Deviation Situation
		Start		End				
		Date	Time	Date	Time			
18	N/A	09/27/12	N/A	03/26/13	N/A	6	Scrubber was operating below required circulation rate (six excursions over the reporting period)	Vopak has been working with operations and maintenance personnel to help reinforce scrubber protocols. In addition, the operating parameters of the scrubber are currently in the process of being modified. The new monitoring parameters have since been incorporated into the most recent permit amendment issued for the facility on 04/05/13.
				Total Deviations:		6	Is there a Part 3 Miscellaneous Monitoring/Credible Evidence form supporting this deviation report?	☐ YES ■NO

AIR CO/_____/RP

Texas Commission on Environmental Quality
Federal Operating Permit Deviation Report Form
Form Dev Rep (Part 1)

Permit Holder Name	Vopak Terminal Deer Park, Inc.					Customer Number	CN601178734
Area Name	Vopak Terminal Deer Park, Inc.					Account Number	HG-0629-I
Report Period Start Date	September 27, 2012	Report Period End Date	March 26, 2013	Operating Permit Number	O-01068	Report Submittal Date	April 26, 2013

Operating Permit Requirement for Which Deviations are Being Reported

ID Number		Term & Condition No.	Pollutant	Regulatory Requirement Citation	Type of Requirement	SOP or GOP Index Number	Monitoring Method	Monitoring Frequency
Unit ID	Group ID							
T-908, T-909, T927	GRPTK5	FOP #O-01068, SC #17; NSR #466A, SC #14	VOC	30 TAC 116.115(c)	Standard	N/A	N/A	N/A

Dev Item No.	STEERS Incident No.	Deviation Period				No. of Dev	Cause of Deviation	Corrective Action Taken to Remedy or Mitigate Deviation Situation
		Start		End				
		Date	Time	Date	Time			
19	N/A	09/27/12	N/A	03/26/13	N/A	1	Isoprene was not stored at the designated temperature (T-908) for various intervals within the reporting period.	As of 04/05/13, a permit amendment increasing the allowable storage temperature of Isoprene from 40F to 65F has been granted. The facility has since been in compliance with the amended temperature requirement.
20	N/A	09/27/12	N/A	03/26/13	N/A	1	Isoprene was not stored at the designated temperature (T-909) for various intervals within the reporting period.	As of 04/05/13, a permit amendment increasing the allowable storage temperature of Isoprene from 40F to 65F has been granted. The facility has since been in compliance with the amended temperature requirement.
21	N/A	09/27/12	N/A	03/26/13	N/A	1	Isoprene was not stored at the designated temperature (T-927) for various intervals within the reporting period.	As of 04/05/13, a permit amendment increasing the allowable storage temperature of Isoprene from 40F to 65F has been granted. The facility has since been in compliance with the amended temperature requirement.
					Total Deviations:	3	**Is there a Part 3 Miscellaneous Monitoring/Credible Evidence form supporting this deviation report?**	☐ YES ■NO

AIR CO/_____/RP

Texas Commission on Environmental Quality
Federal Operating Permit Deviation Report Form
Form Dev Rep (Part 1)

Permit Holder Name	Vopak Terminal Deer Park, Inc.					Customer Number	CN601178734
Area Name	Vopak Terminal Deer Park, Inc.					Account Number	HG-0629-I
Report Period Start Date	September 27, 2012	Report Period End Date	March 26, 2013	Operating Permit Number	O-01068	Report Submittal Date	April 26, 2013

Operating Permit Requirement for Which Deviations are Being Reported

ID Number		Term & Condition No.	Pollutant	Regulatory Requirement Citation	Type of Requirement	SOP or GOP Index Number	Monitoring Method	Monitoring Frequency
Unit ID	Group ID							
T-520	GRPTK1	FOP #O-01068, SC #17; NSR #466A, SC #35.J	VOC	30 TAC 116.115(c)	Standard	N/A	N/A	N/A

Dev Item No.	STEERS Incident No.	Deviation Period				No. of Dev	Cause of Deviation	Corrective Action Taken to Remedy or Mitigate Deviation Situation
		Start		End				
		Date	Time	Date	Time			
22	N/A	10/10/12	00:01	10/19/12	18:39	1	T-520 was not refloated nor emptied and degassed within 48 hrs after roof was landed.	Vopak continues to develop new management protocol to help better track roof landings. In addition, Vopak will continue to provide additional training to relevant departments to help better address compliance.
				Total Deviations:		1	Is there a Part 3 Miscellaneous Monitoring/Credible Evidence form supporting this deviation report?	☐ YES ■NO

AIR CO/_____/RP

Texas Commission on Environmental Quality
Federal Operating Permit Deviation Report Form
Form Dev Rep (Part 1)

Permit Holder Name	Vopak Terminal Deer Park, Inc.					Customer Number	CN601178734
Area Name	Vopak Terminal Deer Park, Inc.					Account Number	HG-0629-I
Report Period Start Date	September 27, 2012	Report Period End Date	March 26, 2013	Operating Permit Number	O-01068	Report Submittal Date	April 26, 2013

Operating Permit Requirement for Which Deviations are Being Reported

ID Number		Term & Condition No.	Pollutant	Regulatory Requirement Citation	Type of Requirement	SOP or GOP Index Number	Monitoring Method	Monitoring Frequency
Unit ID	Group ID							
T-506	GRPTK2	FOP #O-01068, SC #17; NSR #466A, SC #35.J	VOC	30 TAC 116.115(c)	Standard	N/A	N/A	N/A

Dev Item No.	STEERS Incident No.	Deviation Period				No. of Dev	Cause of Deviation	Corrective Action Taken to Remedy or Mitigate Deviation Situation
		Start		End				
		Date	Time	Date	Time			
23	N/A	02/25/13	22:00	03/01/13	04:02	1	T-506 was not refloated nor emptied and degassed within 48 hrs after roof was landed.	Vopak continues to develop new management protocol to help better track roof landings. In addition, Vopak will continue to provide additional training to relevant departments to help better address compliance.
					Total Deviations:	1	Is there a Part 3 Miscellaneous Monitoring/Credible Evidence form supporting this deviation report?	☐ YES ■NO

A1/A1/CO 1100057752

T982 V01 8

Vopak Terminal Deer Park Inc.
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Vopak

United States Environmental Protection Agency
Region 6- Air Enforcement Section
1445 Ross Avenue
Dallas, Texas 75202

Telephone direct
281-604-6133

Fax direct
281-604-7213

Date
October 25th, 2013

E-mail direct
lisa.alford@vopak.com

Subject
Title V Deviation Reporting; Semi-annual Report; Operating Permit No. O-01068; Vopak Terminal Deer Park, Inc.; Deer Park, Texas, Harris County; RN100225093

To Whom It May Concern:

In accordance with 30 TAC 122.145(2), Vopak Terminal Deer Park, Inc. (Vopak) is hereby submitting this report of compliance status for the semi-annual period beginning March 27th, 2013 and ending September 26th, 2013. Deviations from the terms and specific conditions of the operating permit that occurred during this period are summarized on the attached Texas Operating Permit Deviation Report Forms.

A completed Form OP-CRO1 is also attached providing the required Responsible Official certification.

If you have any questions regarding the information submitted, or require additional information, please contact me at 281-604-6133.

Regards,

Lisa Alford
Environmental Specialist, Gulf Coast

Cc: Mr. Jason Harris, Air Section Manager-TCEQ
Mr. Colin Scott, General Manager Gulf Coast - Vopak
Mr. Bill List, Terminal Manager, Operations – Vopak
Mr. Clifton Ferrell, Environmental & Quality Manager - Vopak

Form OP-CRO1
Certification by Responsible Official
Federal Operating Permit Program

All initial permit application, revision, renewal, and reopening submittals requiring certification must be addressed using this form. Updates to site operating permit (SOP) and temporary operating permit (TOP) applications, other than public notice verification materials, must be certified prior to authorization of public notice or start of public announcement. Updates to general operating permit (GOP) applications must be certified prior to receiving an authorization to operate under a GOP.

I. IDENTIFYING INFORMATION

RN: RN100225093	CN: CN601178734	Account No.: HG-0629-I
Permit No.: O1068	Project No.:	
Area Name: Vopak Terminal Deer Park	Company Name: Vopak Terminal Deer Park, Inc.	

II. CERTIFICATION TYPE *(Please mark the appropriate box)*

☒ Responsible Official ☐ Duly Authorized Representative

III. SUBMITTAL TYPE *(Please mark the appropriate box) (Only one response can be accepted per form)*

☐ SOP/TOP Initial Permit Application ☐ Update to Permit Application

☐ GOP Initial Permit Application ☐ Permit Revision, Renewal, or Reopening

☒ Other: Title V Report

IV. CERTIFICATION OF TRUTH

This certification does not extend to information which is designated by the TCEQ as information for reference only.

I, Colin Scott certify that I am the RO
(Certifier Name printed or typed) *(RO or DAR)*

and that, based on information and belief formed after reasonable inquiry, the statements and information dated during the time period or on the specific date(s) below, are true, accurate, and complete:

Note: Enter EITHER a Time Period OR Specific Date(s) for each certification. This section must be completed. The certification is not valid without documentation date(s).

Time Period: From 03/27/2013 to 09/26/2013
State Date *End Date*

Specific Dates: _____ _____ _____ _____ _____ _____
Date 1 *Date 2* *Date 3* *Date 4* *Date5* *Date 6*

Signature: _____ Signature Date: 10/25/2013

Title: General Manager Gulf Coast

AIR CO/_____/RP

Texas Commission on Environmental Quality
Federal Operating Permit Deviation Report Form
Form Dev Rep (Part 1)

Permit Holder Name	Vopak Terminal Deer Park, Inc.					Customer Number	CN601178734
Area Name	Vopak Terminal Deer Park, Inc.					Account Number	HG-0629-I
Report Period Start Date	March 27, 2012	Report Period End Date	September 26, 2013	Operating Permit Number	O-01068	Report Submittal Date	October 28, 2013

Operating Permit Requirement for Which Deviations are Being Reported

ID Number		Term & Condition No.	Pollutant	Regulatory Requirement Citation	Type of Requirement	SOP or GOP Index Number	Monitoring Method	Monitoring Frequency
Unit ID	Group ID							
N/A	N/A	FOP #O-01068, SC#17, NSR #466A, SC#1	VOC	30 TAC 116.115 (c)	STANDARD	N/A	N/A	N/A

Dev Item No.	STEERS Incident No.	Deviation Period				No. of Dev	Cause of Deviation	Corrective Action Taken to Remedy or Mitigate Deviation Situation
		Start		End				
		Date	Time	Date	Time			
1	N/A	05/27/13	00.30	05/27/13	02:30	1	No reportable quantities were released when approximately 40 gallons of product was spilled into containment due to a hole that developed in the line.	Leak was secured and spill was fully contained in the cement pump pad. Free-standing product was removed from the area using a vacuum truck, and affected area was cleaned.
2	N/A	06/07/13	22:00	06/08/13	02:00	1	No reportable quantities were released when approximately 40 gallons of product were spilled into containment due to a weld failure on piping.	Leak was secured and contained. Affected area was cleaned by onsite personnel using appropriate spill response materials.
3	N/A	07/04/13	17:50	07/04/13	21:20	1	Gasket failures on the #67 line flanges resulted in a spill of approximately 1 gallon on deck and 5-gallons of product into the ship channel.	Product movement was immediately shut down and the leak was secured; spill boats were deployed and boom was placed in the water to contain the spill. Affected areas were cleaned using appropriate spill response materials.
					Total Deviations:	3	Is there a Part 3 Miscellaneous Monitoring/Credible Evidence form supporting this deviation report?	☐ YES ■NO

AIR CO/_____/RP

Texas Commission on Environmental Quality
Federal Operating Permit Deviation Report Form
Form Dev Rep (Part 1)

Permit Holder Name	Vopak Terminal Deer Park, Inc.					Customer Number	CN601178734
Area Name	Vopak Terminal Deer Park, Inc.					Account Number	HG-0629-I
Report Period Start Date	March 27, 2012	Report Period End Date	September 26, 2013	Operating Permit Number	O-01068	Report Submittal Date	October 28, 2013

Operating Permit Requirement for Which Deviations are Being Reported

ID Number		Term & Condition No.	Pollutant	Regulatory Requirement Citation	Type of Requirement	SOP or GOP Index Number	Monitoring Method	Monitoring Frequency
Unit ID	Group ID							
N/A	N/A	FOP #O-01068, SC#17, NSR #466A, SC #1	VOC	30 TAC 116.115 (c)	STANDARD	N/A	N/A	N/A

Dev Item No.	STEERS Incident No.	Deviation Period				No. of Dev	Cause of Deviation	Corrective Action Taken to Remedy or Mitigate Deviation Situation
		Start		End				
		Date	Time	Date	Time			
4	N/A	08/02/13	12:30	08/02/13	13:58	1	No reportable quantities were released when a gasket with an improperly bolted flange leaked 5 gallons of product onto the #5 ship dock.	Loading activities were ceased immediately and the leak was secured. Affected area was cleaned by onsite personnel using appropriate spill response material.
5	N/A	08/23/13	16:25	08/24/13	02:30	1	Approximately 40 gallons of product were spilled (30 onto the dock and 10 gallons into the channel) when a gasket failed on the 61-1 line.	Leak was secured immediately; spill boats were launched and responders deployed a hard boom to contain the portion that released to the channel. Third-party contractors arrived on scene to assist with cleanup efforts.
6	N/A	09/08/13	11:50	09/08/13	14:00	1	Tension release in hose attached to crane resulted in spill of approximately1 gallon of product into the channel.	The hose was lowered to the dock as onsite personnel and third-party contractors arrived on scene to clean the affected area.
					Total Deviations:	3	Is there a Part 3 Miscellaneous Monitoring/Credible Evidence form supporting this deviation report?	☐ YES ■NO

AIR CO/_____/RP

Texas Commission on Environmental Quality
Federal Operating Permit Deviation Report Form
Form Dev Rep (Part 1)

Permit Holder Name	Vopak Terminal Deer Park, Inc.					Customer Number	CN601178734
Area Name	Vopak Terminal Deer Park, Inc.					Account Number	HG-0629-I
Report Period Start Date	March 27, 2012	Report Period End Date	September 26, 2013	Operating Permit Number	O-01068	Report Submittal Date	October 28, 2013

Operating Permit Requirement for Which Deviations are Being Reported

ID Number		Term & Condition No.	Pollutant	Regulatory Requirement Citation	Type of Requirement	SOP or GOP Index Number	Monitoring Method	Monitoring Frequency
Unit ID	Group ID							
N/A	N/A	FOP #O-01068, SC #17, NSR #466A, SC #1	VOC	30 TAC 116.115 (c)	STANDARD	N/A	N/A	N/A

Dev Item No.	STEERS Incident No.	Deviation Period				No. of Dev	Cause of Deviation	Corrective Action Taken to Remedy or Mitigate Deviation Situation
		Start		End				
		Date	Time	Date	Time			
7	N/A	09/10/13	17:40	09/10/13	19:00	1	No reportable quantities were released when a pin hole leak in a dock hose resulted in a spill of approximately 15 gallons of product.	The move was immediately shutdown and the leak was secured. The affected area was cleaned using appropriate spill response materials.
8	N/A	09/14/13	12:30	09/14/13	14:42	1	No reportable quantities were released when an OEL resulted in a spill of approximately10 gallons into a concrete containment area.	The spill was contained and the affected area was cleaned using appropriate spill response materials.
9	N/A	09/17/13	16:40	09/17/13	22:54	1	A tank car at ST17 was overfilled resulting in a spill of approximately 200 gallons of product.	The spill was contained by closing drains and using sorbent and hard boom. Third-party contractors arrived to assist personnel in cleanup activities.
10	N/A	09/19/13	01:20	09/19/13	19:13	1	Approximately 1 gallon of product was released into the channel due to gasket failure on the 96 line.	The leak was secured and affected areas were cleaned using appropriate spill response materials.
					Total Deviations:	4	**Is there a Part 3 Miscellaneous Monitoring/Credible Evidence form supporting this deviation report?**	☐ YES ■NO

Texas Commission on Environmental Quality
Federal Operating Permit Deviation Report Form
Form Dev Rep (Part 1)

Permit Holder Name	Vopak Terminal Deer Park, Inc.					Customer Number	CN601178734
Area Name	Vopak Terminal Deer Park, Inc.					Account Number	HG-0629-I
Report Period Start Date	March 27, 2012	Report Period End Date	September 26, 2013	Operating Permit Number	O-01068	Report Submittal Date	October 28, 2013

Operating Permit Requirement for Which Deviations are Being Reported

ID Number		Term & Condition No.	Pollutant	Regulatory Requirement Citation	Type of Requirement	SOP or GOP Index Number	Monitoring Method	Monitoring Frequency
Unit ID	Group ID							
AAS-1	N/A	FOP #O-01068,SC #17; NSR #466A,SC #14	VOC	30 TAC 116.115 (c)	STANDARD	N/A	N/A	N/A

Dev Item No.	STEERS Incident No.	Deviation Period				No. of Dev	Cause of Deviation	Corrective Action Taken to Remedy or Mitigate Deviation Situation
		Start		End				
		Date	Time	Date	Time			
11	N/A	04/10/13	N/A	08/16/13	N/A	6	Scrubber was operating with a pH of less than 11.	The scrubber is currently being evaluated for improvement and/or replacement. New checklist parameters have been included to enhance the inspection routine of the scrubber.
Total Deviations:						6	Is there a Part 3 Miscellaneous Monitoring/Credible Evidence form supporting this deviation report?	☐ YES ■NO

AIR CO/_____/RP

Texas Commission on Environmental Quality
Federal Operating Permit Deviation Report Form
Form Dev Rep (Part 1)

Permit Holder Name	Vopak Terminal Deer Park, Inc.					Customer Number	CN601178734
Area Name	Vopak Terminal Deer Park, Inc.					Account Number	HG-0629-I
Report Period Start Date	March 27, 2012	Report Period End Date	September 26, 2013	Operating Permit Number	O-01068	Report Submittal Date	October 28, 2013

Operating Permit Requirement for Which Deviations are Being Reported

ID Number		Term & Condition No.	Pollutant	Regulatory Requirement Citation	Type of Requirement	SOP or GOP Index Number	Monitoring Method	Monitoring Frequency
Unit ID	Group ID							
AAS-1	N/A	FOP #O-01068,SC #17; NSR #466A,SC #14	VOC	30 TAC 116.115 (c)	STANDARD	N/A	N/A	N/A

Dev Item No.	STEERS Incident No.	Deviation Period				No. of Dev	Cause of Deviation	Corrective Action Taken to Remedy or Mitigate Deviation Situation
		Start		End				
		Date	Time	Date	Time			
12	N/A	04/18/13	N/A	09/26/13	N/A	6	Scrubber was operating below required circulation rate of 11 gpm.	The scrubber is currently being evaluated for improvement and/or replacement. New checklist parameters have been included to enhance the inspection routine of the scrubber.
Total Deviations:						6	Is there a Part 3 Miscellaneous Monitoring/Credible Evidence form supporting this deviation report?	☐ YES ■NO

Texas Commission on Environmental Quality
Federal Operating Permit Deviation Report Form
Form Dev Rep (Part 1)

Permit Holder Name	Vopak Terminal Deer Park, Inc.					Customer Number	CN601178734
Area Name	Vopak Terminal Deer Park, Inc.					Account Number	HG-0629-I
Report Period Start Date	March 27, 2012	Report Period End Date	September 26, 2013	Operating Permit Number	O-01068	Report Submittal Date	October 28, 2013

Operating Permit Requirement for Which Deviations are Being Reported

ID Number		Term & Condition No.	Pollutant	Regulatory Requirement Citation	Type of Requirement	SOP or GOP Index Number	Monitoring Method	Monitoring Frequency
Unit ID	Group ID							
T-531	GRPTK1	FOP #O-01068, SC #17; NSR #466A, SC #13	VOC	30 TAC 116.115(c)	Standard	N/A	N/A	N/A

Dev Item No.	STEERS Incident No.	Deviation Period				No. of Dev	Cause of Deviation	Corrective Action Taken to Remedy or Mitigate Deviation Situation
		Start		End				
		Date	Time	Date	Time			
13	N/A	03/27/13	06:00	04/04/13	23:59	1	Isoprene was not stored at the designated temperature of 40F for the interval listed in the reporting period (T-531).	As of 04/05/13, a permit amendment increasing the allowable storage temperature of Isoprene from 40F to 65F has been granted. The facility has since been in compliance with the amended temperature requirement.
				Total Deviations:		1	Is there a Part 3 Miscellaneous Monitoring/Credible Evidence form supporting this deviation report?	☐ YES ■NO

AIR CO/_____/RP

Texas Commission on Environmental Quality
Federal Operating Permit Deviation Report Form
Form Dev Rep (Part 1)

Permit Holder Name	Vopak Terminal Deer Park, Inc.					Customer Number	CN601178734
Area Name	Vopak Terminal Deer Park, Inc.					Account Number	HG-0629-I
Report Period Start Date	March 27, 2012	Report Period End Date	September 26, 2013	Operating Permit Number	O-01068	Report Submittal Date	October 28, 2013

Operating Permit Requirement for Which Deviations are Being Reported

ID Number		Term & Condition No.	Pollutant	Regulatory Requirement Citation	Type of Requirement	SOP or GOP Index Number	Monitoring Method	Monitoring Frequency
Unit ID	Group ID							
T-908, T-927	GRPTK5	FOP #O-01068, SC #17; NSR #466A, SC #13	Isoprene	30 TAC 116.115(c)	Standard	N/A	N/A	N/A

Dev Item No.	STEERS Incident No.	Deviation Period				No. of Dev	Cause of Deviation	Corrective Action Taken to Remedy or Mitigate Deviation Situation
		Start		End				
		Date	Time	Date	Time			
14	N/A	03/27/13	06:00	04/04/13	23:59	1	Isoprene was not stored at the designated temperature of 40F for the interval listed in the reporting period (T-908).	As of 04/05/13, a permit amendment increasing the allowable storage temperature of Isoprene from 40F to 65F was granted. The facility has since been in compliance with the amended temperature requirement, sans the deviation that began on 06/21/13.
15	N/A	06/21/13	06:00	07/03/13	22:00	1	Isoprene was not stored at the designated temperature of 65F for the interval listed in the reporting period.	This deviation occurred due to a malfunction in the chiller. A temporary chiller was installed until proper repairs were completed on the original chiller on 07/02/13.
16	N/A	03/27/13	22:00	04/04/13	23:59	1	Isoprene was not stored at the designated temperature of 40F for the interval listed in the reporting period (T-927).	As of 04/05/13, a permit amendment increasing the allowable storage temperature of Isoprene from 40F to 65F was granted. The facility has since been in compliance with the amended temperature requirement.
					Total Deviations:	3	Is there a Part 3 Miscellaneous Monitoring/Credible Evidence form supporting this deviation report?	☐ YES ■NO

AIR CO/_____/RP

Texas Commission on Environmental Quality
Federal Operating Permit Deviation Report Form
Form Dev Rep (Part 1)

Permit Holder Name	Vopak Terminal Deer Park, Inc.					Customer Number	CN601178734
Area Name	Vopak Terminal Deer Park, Inc.					Account Number	HG-0629-I
Report Period Start Date	March 27, 2012	Report Period End Date	September 26, 2013	Operating Permit Number	O-01068	Report Submittal Date	October 28, 2013

Operating Permit Requirement for Which Deviations are Being Reported

ID Number		Term & Condition No.	Pollutant	Regulatory Requirement Citation	Type of Requirement	SOP or GOP Index Number	Monitoring Method	Monitoring Frequency
Unit ID	Group ID							
T-917	GRPTK5	FOP #O-01068, SC #17; NSR #466A, SC #35.J	VOC	30 TAC 116.115(c)	Standard	N/A	N/A	N/A

Dev Item No.	STEERS Incident No.	Deviation Period				No. of Dev	Cause of Deviation	Corrective Action Taken to Remedy or Mitigate Deviation Situation
		Start		End				
		Date	Time	Date	Time			
17	N/A	07/13/13	09:13	07/15/13	21:06	1	T-917 was not refloated nor emptied and degassed within 48 hours after the roof was landed.	Vopak continues to develop new management protocol to help better track roof landings. In addition, Vopak will continue to provide additional training to relevant departments to help better address compliance.
				Total Deviations:		1	Is there a Part 3 Miscellaneous Monitoring/Credible Evidence form supporting this deviation report?	☐ YES ■NO

AIR CO/_____/RP

Texas Commission on Environmental Quality
Federal Operating Permit Deviation Report Form
Form Dev Rep (Part 1)

Permit Holder Name	Vopak Terminal Deer Park, Inc.					Customer Number	CN601178734
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Operating Permit Requirement for Which Deviations are Being Reported

ID Number		Term & Condition No.	Pollutant	Regulatory Requirement Citation	Type of Requirement	SOP or GOP Index Number	Monitoring Method	Monitoring Frequency
Unit ID	Group ID							
SD-1, SD-2	GRPSD	FOP #O-01068, SC #17; NSR #466A, SC #6	VOC	30 TAC 116.115(c)	Standard	N/A	N/A	N/A

Dev Item No.	STEERS Incident No.	Deviation Period				No. of Dev	Cause of Deviation	Corrective Action Taken to Remedy or Mitigate Deviation Situation
		Start		End				
		Date	Time	Date	Time			
18	N/A	05/17/13	04:55	09/09/13	14:00	13	The allowable loading rate for Acetic Acid was exceeded (thirteen excursions).	Vopak continues to develop new management protocol to help minimize, if not eliminate, loading rate exceedences. In addition, Vopak is currently in the process of developing new tools to assist relevant departments in adhering to compliance requirements.
				Total Deviations:		13	Is there a Part 3 Miscellaneous Monitoring/Credible Evidence form supporting this deviation report?	☐ YES ■NO

Vopak Terminal Deer Park Inc.
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Deer Park, TX 77536
United States

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Fax 281-604-6100
www.vopak.com

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T982 vol 8

Mr. Jason Harris
Air Section Manager
Texas Commission on Environmental Quality (TCEQ)
Region 12
5425 Polk Avenue, Ste. H
Houston, Texas 77023-1486

Telephone direct
281-604-6133

Fax direct
281-604-7213

Date
April 25th, 2014

E-mail direct
lisa.alford@vopak.com

Subject
Title V Deviation Reporting; Semi-annual Report; Operating Permit No. O-01068; Vopak Terminal Deer Park, Inc.; Deer Park, Texas, Harris County; RN100225093

Dear Mr. Harris,

In accordance with 30 TAC 122.145(2), Vopak Terminal Deer Park, Inc. (Vopak) is hereby submitting this report of compliance status for the semi-annual period beginning September 27, 2013 and ending March 26, 2014. Deviations from the terms and specific conditions of the operating permit that occurred during this period are summarized on the attached Texas Operating Permit Deviation Report Forms. A completed Form OP-CRO1 is also attached providing the required duly authorized representative certification.

If you have any questions, or require additional information, please contact me at 281-604-6133.

Regards,

Lisa Alford
Environmental Specialist, Gulf Coast

Cc: EPA Region 6
Mr. Colin Scott, General Manager Gulf Coast - Vopak
Mr. Clifton Ferrell, Environmental & Quality Manager, Gulf Coast - Vopak

Form OP-CRO1
Certification by Responsible Official
Federal Operating Permit Program

All initial permit application, revision, renewal, and reopening submittals requiring certification must be addressed using this form. Updates to site operating permit (SOP) and temporary operating permit (TOP) applications, other than public notice verification materials, must be certified prior to authorization of public notice or start of public announcement. Updates to general operating permit (GOP) applications must be certified prior to receiving an authorization to operate under a GOP.

I. IDENTIFYING INFORMATION

A. RN: RN100225093	B. CN: CN601178734	C. Account No.: HG-0629-I
D. Permit No.: O-01068	E. Project No.: N/A	
F. Area Name: Vopak Terminal Deer Park, Inc.		
G. Company Name: Vopak Terminal Deer Park		

II. CERTIFICATION TYPE *(Please mark the appropriate box)*

A. ☒ Responsible Official:	B. ☐ Duly Authorized Representative:

III. SUBMITTAL TYPE *(Place an "X" in the appropriate box) (Only one response can be accepted per form)*

☐ SOP/TOP Initial Permit Application	☐ Update to Permit Application
☐ GOP Initial Permit Application	☐ Permit Revision, Renewal, or Reopening
☒ Other: Semi-annual Deviation Report	

IV. CERTIFICATION OF TRUTH

This certification does not extend to information which is designated by the TCEQ as information for reference only.

I, Colin Scott, certify that I am the RO for this application
(Certifier Name printed or typed) *(RO or DAR)*

and that, based on information and belief formed after reasonable inquiry, the statements and information dated during the time period in Section IV.A below, or on the specific date(s) in Section IV.B below, are true, accurate, and complete:

Note: Enter EITHER a Time Period OR Specific Date(s) for each certification. This section must be completed. The certification is not valid without documentation date(s).

A. Time Period: From September 27, 2013 to March 26, 2014
*Start Date** *End Date**

OR

B. Specific Dates: _____
*Date 1** *Date 2** *Date 3** *Date 4** *Date 5** *Date 6** *Date 7** *Date 8**

**The Time Period option may only be used when the "Submittal Type" is 'Update to Permit Application' and there are multiple uncertified submittals; or a submittal package has multiple dates recorded in the documentation. Do not use the Time Period option if the "Submittal Type" is 'Other.'*

Signature: _____ Signature Date: 04/25/2014

Title: General Manager, Gulf Coast

AIR CO/_____/RP

Texas Commission on Environmental Quality
Federal Operating Permit Deviation Report Form
Form Dev Rep (Part 1)

Permit Holder Name	Vopak Terminal Deer Park, Inc.					Customer Number	CN601178734
Area Name	Vopak Terminal Deer Park, Inc.					Account Number	HG-0629-I
Report Period Start Date	September 27, 2013	Report Period End Date	March 26, 2014	Operating Permit Number	O-01068	Report Submittal Date	April 25, 2014

Operating Permit Requirement for Which Deviations are Being Reported

ID Number		Term & Condition No.	Pollutant	Regulatory Requirement Citation	Type of Requirement	SOP or GOP Index Number	Monitoring Method	Monitoring Frequency
Unit ID	Group ID							
N/A	N/A	FOP #O-01068, SC #17; NSR #466A, SC #1	VOC	30 TAC 116.115(c)	STANDARD	N/A	N/A	N/A

Dev Item No.	STEERS Incident No.	Deviation Period				No. of Dev	Cause of Deviation	Corrective Action Taken to Remedy or Mitigate Deviation Situation
		Start		End				
		Date	Time	Date	Time			
1	N/A	10/28/13	18:00	10/28/13	20:00	1	A pinhole leak in the #6 line resulted in a spill of approximately 10 gallons of Aromatic 200.	The leak was secured and the line was cleared for repair. The affected area was cleaned by onsite personnel.
2	N/A	11/04/13	05:50	11/04/13	07:00	1	A pinhole in a hose resulted in a spill of approximately 0.25 gallons of MTBE into the channel.	The movement was immediately shutdown and the pinhole leak was secured. Boom was deployed and the affected area was cleaned.
3	N/A	11/12/13	08:00	11/12/13	09:00	1	A pinhole leak in the #19 line resulted in a spill of approximately 1 pint of ethanol.	The line was secured and the affected area was cleaned.
				Total Deviations:		3	**Is there a Part 3 Miscellaneous Monitoring/Credible Evidence form supporting this deviation report?**	☐ YES ■NO

AIR CO/_____/RP

Texas Commission on Environmental Quality
Federal Operating Permit Deviation Report Form
Form Dev Rep (Part 1)

Permit Holder Name	Vopak Terminal Deer Park, Inc.					Customer Number	CN601178734
Area Name	Vopak Terminal Deer Park, Inc.					Account Number	HG-0629-I
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Operating Permit Requirement for Which Deviations are Being Reported

ID Number		Term & Condition No.	Pollutant	Regulatory Requirement Citation	Type of Requirement	SOP or GOP Index Number	Monitoring Method	Monitoring Frequency
Unit ID	Group ID							
N/A	N/A	FOP #O-01068, SC #17; NSR #466A, SC #1	VOC	30 TAC 116.115(c)	STANDARD	N/A	N/A	N/A

Dev Item No.	STEERS Incident No.	Deviation Period				No. of Dev	Cause of Deviation	Corrective Action Taken to Remedy or Mitigate Deviation Situation
		Start		End				
		Date	Time	Date	Time			
4	N/A	11/26/13	20:30	11/26/13	22:30	1	An open bleeder valve resulted in a spill of approximately 30 gallons of Biodiesel B99.	The movement was shutdown and the affected area was cleaned immediately by onsite personnel.
5	N/A	12/03/13	20:30	12/04/13	18:00	1	A blown gasket off the T624 side valve gasket resulted in a spill of approximately 7500 gallons into concrete containment.	A temporary epoxy seal was placed on the leaking valve to secure the leak. The tank was emptied to an alternate tank. Onsite personnel and third party contractors cleaned the affected area.
6	N/A	12/09/13	15:44	12/09/13	17:30	1	A pinhole leak in the off the top shell plate of T636 resulted in a spill of approximately 40 gallons into concrete containment.	The pinhole leak was secured and repaired. Onsite personnel and third party contractors cleaned the affected area.
					Total Deviations:	3	**Is there a Part 3 Miscellaneous Monitoring/Credible Evidence form supporting this deviation report?**	☐ YES ■NO

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Area Name	Vopak Terminal Deer Park, Inc.					Account Number	HG-0629-I
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Operating Permit Requirement for Which Deviations are Being Reported

ID Number		Term & Condition No.	Pollutant	Regulatory Requirement Citation	Type of Requirement	SOP or GOP Index Number	Monitoring Method	Monitoring Frequency
Unit ID	Group ID							
N/A	N/A	FOP #O-01068, SC #17; NSR #466A, SC #1	VOC	30 TAC 116.115(c)	STANDARD	N/A	N/A	N/A

Dev Item No.	STEERS Incident No.	Deviation Period				No. of Dev	Cause of Deviation	Corrective Action Taken to Remedy or Mitigate Deviation Situation
		Start		End				
		Date	Time	Date	Time			
7	N/A	01/21/14	17:48	01/21/14	19:30	1	A leak in the 534 truck line resulted in a spill of approximately 20 gallons of Ethanol.	The line was secured and emptied. The affected area was cleaned immediately by onsite personnel.
8	N/A	02/01/14	02:30	02/01/14	05:00	1	A leaking flange on the T612 lateral resulted in a spill of approximately 30 gallons of RTBA.	The bolts on the flange were tightened to secure the leak. Third party contractors were called to assist onsite personnel in cleaning the affected area.
					Total Deviations:	2	**Is there a Part 3 Miscellaneous Monitoring/Credible Evidence form supporting this deviation report?**	☐ YES ■NO

AIR CO/_____/RP

Texas Commission on Environmental Quality
Federal Operating Permit Deviation Report Form
Form Dev Rep (Part 1)

Permit Holder Name	Vopak Terminal Deer Park, Inc.					Customer Number	CN601178734
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ID Number		Term & Condition No.	Pollutant	Regulatory Requirement Citation	Type of Requirement	SOP or GOP Index Number	Monitoring Method	Monitoring Frequency
Unit ID	Group ID							
N/A	N/A	FOP #O-01068, SC #17; NSR #466A, SC #1	VOC	30 TAC 116.115(c)	STANDARD	N/A	N/A	N/A

Dev Item No.	STEERS Incident No.	Deviation Period				No. of Dev	Cause of Deviation	Corrective Action Taken to Remedy or Mitigate Deviation Situation
		Start		End				
		Date	Time	Date	Time			
9	N/A	02/03/14	14:30	02/03/14	15:30	1	A leak in the Op2 pipeline resulted in a spill of approximately 10 gallons of caustic.	The line was secured and emptied. The affected area was cleaned immediately by onsite personnel.
10	N/A	02/13/14	18:15	02/13/14	19:20	1	A leaking flange on the #13 line resulted in a spill of approximately 1 gallon of caustic.	The line was secured and cleared. The affected area was cleaned immediately by onsite personnel.
11	N/A	03/09/14	06:15	03/09/14	09:30	1	A leaking bleeder valve on T582 resulted in a spill of approximately 40 gallons of Biodiesel B100.	The valve was immediately secured to stop the leak. The affected area was cleaned immediately by onsite personnel.
					Total Deviations:	3	**Is there a Part 3 Miscellaneous Monitoring/Credible Evidence form supporting this deviation report?**	☐ YES ■NO

AIR CO/_____/RP

Texas Commission on Environmental Quality
Federal Operating Permit Deviation Report Form
Form Dev Rep (Part 1)

Permit Holder Name	Vopak Terminal Deer Park, Inc.					Customer Number	CN601178734
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Operating Permit Requirement for Which Deviations are Being Reported

ID Number		Term & Condition No.	Pollutant	Regulatory Requirement Citation	Type of Requirement	SOP or GOP Index Number	Monitoring Method	Monitoring Frequency
Unit ID	Group ID							
AAS-1	N/A	FOP #O-01068, SC #17; NSR #466A, SC #14	VOC	30 TAC 116.115(c)	Standard	N/A	N/A	N/A

Dev Item No.	STEERS Incident No.	Deviation Period				No. of Dev	Cause of Deviation	Corrective Action Taken to Remedy or Mitigate Deviation Situation
		Start		End				
		Date	Time	Date	Time			
12	N/A	11/16/13	00:01	11/19/13	24:00	1	Scrubber was operating below required circulation rate.	Vopak has been working with operations and maintenance personnel to help reinforce scrubber protocols. New monitoring parameters have been implemented since most recent permit amendment issued for the facility on 04/05/13.
13	N/A	11/26/13	00:01	12/21/13	24:00	1	Scrubber was operating below required circulation rate.	Vopak has been working with operations and maintenance personnel to help reinforce scrubber protocols. New monitoring parameters have been implemented since most recent permit amendment issued for the facility on 04/05/13.
14	N/A	12/23/13	00:01	01/08/14	24:00	1	Scrubber was operating below required circulation rate.	Vopak has been working with operations and maintenance personnel to help reinforce scrubber protocols. New monitoring parameters have been implemented since most recent permit amendment issued for the facility on 04/05/13.
				Total Deviations:		3	Is there a Part 3 Miscellaneous Monitoring/Credible Evidence form supporting this deviation report?	☐ YES ■NO

Vopak Terminal Deer Park Inc
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110000 757752 458952

Vopak

United States Environmental Protection Agency
Region 6- Air Enforcement Section
1445 Ross Avenue
Dallas, Texas 75202

Telephone direct
281-604-6133

Fax direct
281-604-7213

Date
October 27, 2014

E-mail direct
lisa.alford@vopak.com

Subject
Title V Deviation Reporting; Semi-annual Report; Operating Permit No. O-01068; Vopak Terminal Deer Park, Inc.; Deer Park, Texas, Harris County; RN100225093

To Whom It May Concern:

In accordance with 30 TAC 122.145(2), Vopak Terminal Deer Park, Inc. (Vopak) is hereby submitting this report of compliance status for the semi-annual period beginning March 27th, 2014 and ending September 26th, 2014. Deviations from the terms and specific conditions of the operating permit that occurred during this period are summarized on the attached Texas Operating Permit Deviation Report Forms.

A completed Form OP-CRO1 is also attached providing the required Responsible Official certification.

If you have any questions regarding the information submitted, or require additional information, please contact me at 281-604-6133.

Regards,

Lisa Alford
Environmental Specialist, Gulf Coast

Cc: Mr. Andy Goodridge, Air Section Manager-TCEQ
Mr. Bill List, Terminal Manager, Operations – Vopak
Mr. Clifton Ferrell, Environmental & Quality Manager - Vopak

Form OP-CRO1
Certification by Responsible Official
Federal Operating Permit Program

All initial permit application, revision, renewal, and reopening submittals requiring certification must be addressed using this form. Updates to site operating permit (SOP) and temporary operating permit (TOP) applications, other than public notice verification materials, must be certified prior to authorization of public notice or start of public announcement. Updates to general operating permit (GOP) applications must be certified prior to receiving an authorization to operate under a GOP.

I. IDENTIFYING INFORMATION		
RN:RN100225093	CN: CN601178734	Account No.: HG-0629-I
Permit No.: O1068	Project No.:	
Area Name: Vopak Terminal Deer Park	Company Name: Vopak Terminal Deer Park, Inc.	

II. CERTIFICATION TYPE *(Please mark the appropriate box)*

☒ Responsible Official ☐ Duly Authorized Representative

III. SUBMITTAL TYPE *(Please mark the appropriate box) (Only one response can be accepted per form)*

☐ SOP/TOP Initial Permit Application ☐ Update to Permit Application

☐ GOP Initial Permit Application ☐ Permit Revision, Renewal, or Reopening

☒ Other: Title V Deviation Report

IV. CERTIFICATION OF TRUTH

This certification does not extend to information which is designated by the TCEQ as information for reference only.

I, Colin Scott certify that I am the RO
(Certifier Name printed or typed) *(RO or DAR)*

and that, based on information and belief formed after reasonable inquiry, the statements and information dated during the time period or on the specific date(s) below, are true, accurate, and complete:

Note: Enter EITHER a Time Period OR Specific Date(s) for each certification. This section must be completed. The certification is not valid without documentation date(s).

Time Period: From 03/27/2014 *Start Date* to 09/26/2014 *End Date*

Specific Dates: _____ *Date 1* _____ *Date 2* _____ *Date 3* _____ *Date 4* _____ *Date5* _____ *Date 6*

Signature: for Colin Scott Signature Date: 10/27/2014

Title: General Manager, Gulf Coast

Texas Commission on Environmental Quality
Federal Operating Permit Form
Permit Compliance Certification – PCC (Part 1)

Permit Holder Name	Vopak Terminal Deer Park, Inc.	Customer Number	CN601178734
Area Name	Vopak Terminal Deer Park	Account Number	HG-0629-I
Operating Permit Number	O - 1068	Report Submittal Date	10/27/2014
Certification Period Start Date	3/27/2014	End Date	9/26/2014

I. Certification of Continuous Compliance with Permit Terms and Conditions (Indicate response by placing a 'x' in the appropriate column for each of the following questions)	Response: Yes	No
With the possible exception of those permit terms and conditions identified in the 'Summary of Deviations' found using, at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information, was the permit holder in continuous compliance with all the terms and conditions of the permit over the Certification Period?	☒	☐

II. Summary of Deviations (Indicate response by placing a 'x' in the appropriate column for each of the following questions)	Response: Yes	No
A. Were there any deviations from any permit requirements during the Certification Period that have *previously* been reported to the agency? If the answer to this question is 'Yes', please complete and attach Part 2 to this submittal. *Important Note:* If previously submitted reports did not contain specific information on monitoring methods, frequency and the total number of deviations experienced over the entire certification period, then use form DevRep to provide that information.	☐	☒
B. Were there any deviations from any terms or conditions of the permit during the Certification Period that are *currently* being submitted to the agency? If the answer to this question is 'Yes', please include the relevant reports along with this page.	☒	☐

Texas Commission on Environmental Quality
Federal Operating Permit Deviation Report Form
Form Dev Rep (Part 1)

Permit Holder Name	Vopak Terminal Deer Park, Inc.					Customer Number	CN601178734
Area Name	Vopak Terminal Deer Park, Inc.					Account Number	HG-0629-I
Report Period Start Date	March 26, 2013	Report Period End Date	September 25, 2014	Operating Permit Number	O-01068	Report Submittal Date	October 27, 2014

Operating Permit Requirement for Which Deviations are Being Reported

ID Number		Term & Condition No.	Pollutant	Regulatory Requirement Citation	Type of Requirement	SOP or GOP Index Number	Monitoring Method	Monitoring Frequency
Unit ID	Group ID							
N/A	N/A	FOP #O-01068, SC#17, NSR #466A, SC#1	VOC	30 TAC 116.115 (c)	STANDARD	N/A	N/A	N/A

Dev Item No.	STEERS Incident No.	Deviation Period				No. of Dev	Cause of Deviation	Corrective Action Taken to Remedy or Mitigate Deviation Situation
		Start		End				
		Date	Time	Date	Time			
1	N/A	03/27/14	03:30	03/27/14	06:30	1	Approximately 40 gallons of product was spilled into containment when a railcar was inadvertently overfilled	Product movement was shutdown immediately. Onsite personnel deployed vacuum truck and absorbent material for clean up of affected area; supervisors arranged for review session and tool box session to discuss the incident.
2	N/A	03/31/14	02:30	03/31/14	05:00	1	Approximately 30 gallons of product was spilled into containment due to a leaking lateral flange on T612	The flange bolts were secured to stop the leak; third-party contractors were called to assist with clean-up activities; a vacuum truck and absorbent material were deployed for clean-up
3	N/A	04/04/14	08:20	04/04/14	15:00	1	Approximately 75 gallons of product was spilled due to a gasket on the #120 line	The line was secured immediately; onsite personnel and third-party contractors responded to spill with vacuum trucks and absorbent materials to clean the affected areas
					Total Deviations:	3	Is there a Part 3 Miscellaneous Monitoring/Credible Evidence form supporting this deviation report?	☐ YES ■NO

AIR CO/_____/RP

Texas Commission on Environmental Quality
Federal Operating Permit Deviation Report Form
Form Dev Rep (Part 1)

Permit Holder Name	Vopak Terminal Deer Park, Inc.					Customer Number	CN601178734
Area Name	Vopak Terminal Deer Park, Inc.					Account Number	HG-0629-I
Report Period Start Date	March 26, 2013	Report Period End Date	September 25, 2014	Operating Permit Number	O-01068	Report Submittal Date	October 27, 2014

Operating Permit Requirement for Which Deviations are Being Reported

ID Number		Term & Condition No.	Pollutant	Regulatory Requirement Citation	Type of Requirement	SOP or GOP Index Number	Monitoring Method	Monitoring Frequency
Unit ID	Group ID							
N/A	N/A	FOP #O-01068, SC#17, NSR #466A, SC #1	VOC	30 TAC 116.115 (c)	STANDARD	N/A	N/A	N/A

Dev Item No.	STEERS Incident No.	Deviation Period				No. of Dev	Cause of Deviation	Corrective Action Taken to Remedy or Mitigate Deviation Situation
		Start		End				
		Date	Time	Date	Time			
4	N/A	04/11/14	14:30	04/11/14	22:30	1	Approximately 150 gallons of product was spilled into containment due to a missing plug on a bleeder valve at T819	The move was immediately shutdown and the line was secured; onsite personnel and third-party contractors responded to spill with vacuum trucks and absorbent material to clean affected areas
5	N/A	05/29/14	04:17	05/29/14	10:30	1	Approximately 40 gallons of product was spilled into containment due to leaking flange on the #13-30 line	The move was immediately shutdown and the line was secured and cleared; onsite personnel responded to spill with vacuum truck and absorbent material to clean the affected areas. The bolts on the flange were retightened.
6	N/A	06/15/14	12:30	06/15/14	13:30	1	Approximately 1 gallon of product was spilled into containment due to a leaking valve on the #16 line	The line and area were secured; a complementary valve was opened to relieve pressure; onsite personnel responded and cleaned affected area
7	N/A	07/31/14	07:19	07/31/14	08:30	1	Approximately 5 gallons of product was spilled into containment due to a pump seal at T302	The move was immediately shutdown; the pump was secured and cleared; onsite personnel responded and cleaned affected area
					Total Deviations:	4	Is there a Part 3 Miscellaneous Monitoring/Credible Evidence form supporting this deviation report?	☐ YES ■NO

AIR CO/_____/RP

Texas Commission on Environmental Quality
Federal Operating Permit Deviation Report Form
Form Dev Rep (Part 1)

Permit Holder Name	Vopak Terminal Deer Park, Inc.					Customer Number	CN601178734
Area Name	Vopak Terminal Deer Park, Inc.					Account Number	HG-0629-I
Report Period Start Date	March 26, 2013	Report Period End Date	September 25, 2014	Operating Permit Number	O-01068	Report Submittal Date	October 27, 2014

Operating Permit Requirement for Which Deviations are Being Reported

ID Number		Term & Condition No.	Pollutant	Regulatory Requirement Citation	Type of Requirement	SOP or GOP Index Number	Monitoring Method	Monitoring Frequency
Unit ID	Group ID							
N/A	N/A	FOP #O-01068, SC #17, NSR #466A, SC #1	VOC	30 TAC 116.115 (c)	STANDARD	N/A	N/A	N/A

Dev Item No.	STEERS Incident No.	Deviation Period				No. of Dev	Cause of Deviation	Corrective Action Taken to Remedy or Mitigate Deviation Situation
		Start		End				
		Date	Time	Date	Time			
8	N/A	08/11/14	04:00	08/11/14	06:00	1	Approximately 5 gallons of product was spilled into containment due to tank truck overfill	The move was immediately shutdown and the trailer was secured; onsite personnel responded to spill and implement clean-up of affected area.
9	N/A	09/04/14	01:45	09/04/14	15:00	1	Approximately 5 gallons of product was spilled into containment due to overfill protection system	The move was immediately shutdown and the trailer was secured; onsite personnel responded to spill and implement clean-up of affected area.
10	N/A	09/04/14	12:45	09/04/14	20:30	1	Approximately 300 gallons of product was spilled into containment due to open bleeder /missing bull plug	The move was immediately shutdown and the line was secured; onsite personnel and third-party contractors responded to spill with vacuum trucks and absorbent materials for clean-up of affected area.
11	N/A	09/04/14	11:45	09/04/14	13:00	1	Approximately 5 gallons of product were spilled into containment due to leaking gasket on #12 line pig trap	The line was secured / cleared and the gasket was replaced; onsite personnel responded to spill with absorbent material for clean-up of affected area
					Total Deviations:	4	Is there a Part 3 Miscellaneous Monitoring/Credible Evidence form supporting this deviation report?	☐ YES ■NO

AIR CO/_____/RP

Texas Commission on Environmental Quality
Federal Operating Permit Deviation Report Form
Form Dev Rep (Part 1)

Permit Holder Name	Vopak Terminal Deer Park, Inc.					Customer Number	CN601178734
Area Name	Vopak Terminal Deer Park, Inc.					Account Number	HG-0629-I
Report Period Start Date	March 26, 2013	Report Period End Date	September 25, 2014	Operating Permit Number	O-01068	Report Submittal Date	October 27, 2014

Operating Permit Requirement for Which Deviations are Being Reported

ID Number		Term & Condition No.	Pollutant	Regulatory Requirement Citation	Type of Requirement	SOP or GOP Index Number	Monitoring Method	Monitoring Frequency
Unit ID	Group ID							
N/A	N/A	FOP #O-01068, SC #17, NSR #466A, SC #1	VOC	30 TAC 116.115 (c)	STANDARD	N/A	N/A	N/A

Dev Item No.	STEERS Incident No.	Deviation Period				No. of Dev	Cause of Deviation	Corrective Action Taken to Remedy or Mitigate Deviation Situation
		Start		End				
		Date	Time	Date	Time			
12	N/A	09/23/14	03:08	09/23/14	04:30	1	Approximately 2 gallons of product was spilled into containment due to a loose hose connection on a crane	Crane activities were ceased and hose on line was secured / tightened; onsite personnel responded to spill with absorbent material.
				Total Deviations:		1	Is there a Part 3 Miscellaneous Monitoring/Credible Evidence form supporting this deviation report?	☐ YES ■NO

AIR CO/_____/RP

Texas Commission on Environmental Quality
Federal Operating Permit Deviation Report Form
Form Dev Rep (Part 1)

Permit Holder Name	Vopak Terminal Deer Park, Inc.					Customer Number	CN601178734
Area Name	Vopak Terminal Deer Park, Inc.					Account Number	HG-0629-I
Report Period Start Date	March 26, 2013	Report Period End Date	September 25, 2014	Operating Permit Number	O-01068	Report Submittal Date	October 27, 2014

Operating Permit Requirement for Which Deviations are Being Reported

ID Number		Term & Condition No.	Pollutant	Regulatory Requirement Citation	Type of Requirement	SOP or GOP Index Number	Monitoring Method	Monitoring Frequency
Unit ID	Group ID							
AAS-1	N/A	FOP #O-01068,SC #17; NSR #466A,SC #14	VOC	30 TAC 116.115 (c)	STANDARD	N/A	N/A	N/A

Dev Item No.	STEERS Incident No.	Deviation Period				No. of Dev	Cause of Deviation	Corrective Action Taken to Remedy or Mitigate Deviation Situation
		Start		End				
		Date	Time	Date	Time			
13	N/A	06/02/14	N/A	06/04/14	N/A	3	Scrubber was operating with a pH of less than 11.	The unit was recharged by onsite maintenance personnel to return pH to adequate levels; unit was returned to service
14	N/A	07/25/14	N/A	07/25/14	N/A	1	Scrubber was operating with a pH of less than 11.	The unit was recharged by onsite maintenance personnel to return pH to adequate levels; unit was returned to service
15	N/A	08/04/14	N/A	08/06/14	N/A	3	Scrubber was operating with a pH of less than 11.	The unit was recharged by onsite maintenance personnel to return pH to adequate levels; unit was returned to service
16	N/A	09/10/14	N/A	09/11/14	N/A	2	Scrubber was operating with a pH of less than 11.	The unit was recharged by onsite maintenance personnel to return pH to adequate levels; unit was returned to service
					Total Deviations:	9	Is there a Part 3 Miscellaneous Monitoring/Credible Evidence form supporting this deviation report?	☐ YES ■NO

AIR CO/_____/RP

Texas Commission on Environmental Quality
Federal Operating Permit Deviation Report Form
Form Dev Rep (Part 1)

Permit Holder Name	Vopak Terminal Deer Park, Inc.					Customer Number	CN601178734
Area Name	Vopak Terminal Deer Park, Inc.					Account Number	HG-0629-I
Report Period Start Date	March 26, 2013	Report Period End Date	September 25, 2014	Operating Permit Number	O-01068	Report Submittal Date	October 27, 2014

Operating Permit Requirement for Which Deviations are Being Reported

ID Number		Term & Condition No.	Pollutant	Regulatory Requirement Citation	Type of Requirement	SOP or GOP Index Number	Monitoring Method	Monitoring Frequency
Unit ID	Group ID							
AAS-1	N/A	FOP #O-01068,SC #17; NSR #466A,SC #14	VOC	30 TAC 116.115 (c)	STANDARD	N/A	N/A	N/A

Dev Item No.	STEERS Incident No.	Deviation Period				No. of Dev	Cause of Deviation	Corrective Action Taken to Remedy or Mitigate Deviation Situation
		Start		End				
		Date	Time	Date	Time			
17	N/A	09/20/14	N/A	09/23/14	N/A	4	Scrubber was operating with a pH of less than 11.	The unit was recharged by onsite maintenance personnel to return pH to adequate levels; unit was returned to service
				Total Deviations:		4	Is there a Part 3 Miscellaneous Monitoring/Credible Evidence form supporting this deviation report?	☐ YES ■NO

AIR CO/_____/RP

Texas Commission on Environmental Quality
Federal Operating Permit Deviation Report Form
Form Dev Rep (Part 1)

Permit Holder Name	Vopak Terminal Deer Park, Inc.					Customer Number	CN601178734
Area Name	Vopak Terminal Deer Park, Inc.					Account Number	HG-0629-I
Report Period Start Date	March 26, 2013	Report Period End Date	September 25, 2014	Operating Permit Number	O-01068	Report Submittal Date	October 27, 2014

Operating Permit Requirement for Which Deviations are Being Reported

ID Number		Term & Condition No.	Pollutant	Regulatory Requirement Citation	Type of Requirement	SOP or GOP Index Number	Monitoring Method	Monitoring Frequency
Unit ID	Group ID							
AAS-1	N/A	FOP #O-01068,SC #17; NSR #466A,SC #14	VOC	30 TAC 116.115 (c)	STANDARD	N/A	N/A	N/A

Dev Item No.	STEERS Incident No.	Deviation Period				No. of Dev	Cause of Deviation	Corrective Action Taken to Remedy or Mitigate Deviation Situation
		Start		End				
		Date	Time	Date	Time			
18	N/A	07/25/14	N/A	07/25/14	N/A	1	Scrubber may have been operating below the required circulation rate.	Vopak has been working with operations and maintenance personnel to help reinforce scrubber protocols. In addition, the operating parameters of the scrubber are currently in the process of being modified. The new monitoring parameters have since been incorporated into the most recent permit amendment issued for the facility on 04/05/13.
19	N/A	08/03/14	N/A	08/10/14	N/A	9	Scrubber may have been operating below the required circulation rate.	Vopak has been working with operations and maintenance personnel to help reinforce scrubber protocols. In addition, the operating parameters of the scrubber are currently in the process of being modified. The new monitoring parameters have since been incorporated into the most recent permit amendment issued for the facility on 04/05/13.
					Total Deviations:	10	Is there a Part 3 Miscellaneous Monitoring/Credible Evidence form supporting this deviation report?	☐ YES ■NO

AIR CO/_____/RP

Texas Commission on Environmental Quality
Federal Operating Permit Deviation Report Form
Form Dev Rep (Part 1)

Permit Holder Name	Vopak Terminal Deer Park, Inc.					Customer Number	CN601178734
Area Name	Vopak Terminal Deer Park, Inc.					Account Number	HG-0629-I
Report Period Start Date	March 26, 2013	Report Period End Date	September 25, 2014	Operating Permit Number	O-01068	Report Submittal Date	October 27, 2014

Operating Permit Requirement for Which Deviations are Being Reported

ID Number		Term & Condition No.	Pollutant	Regulatory Requirement Citation	Type of Requirement	SOP or GOP Index Number	Monitoring Method	Monitoring Frequency
Unit ID	Group ID							
AAS-1	N/A	FOP #O-01068,SC #17; NSR #466A,SC #14	VOC	30 TAC 116.115 (c)	STANDARD	N/A	N/A	N/A

Dev Item No.	STEERS Incident No.	Deviation Period				No. of Dev	Cause of Deviation	Corrective Action Taken to Remedy or Mitigate Deviation Situation
		Start		End				
		Date	Time	Date	Time			
20	N/A	08/22/14	N/A	09/11/14	N/A	23	Scrubber may have been operating below the required circulation rate.	Vopak has been working with operations and maintenance personnel to help reinforce scrubber protocols. In addition, the operating parameters of the scrubber are currently in the process of being modified. The new monitoring parameters have since been incorporated into the most recent permit amendment issued for the facility on 04/05/13.
					Total Deviations:	23	Is there a Part 3 Miscellaneous Monitoring/Credible Evidence form supporting this deviation report?	☐ YES ■NO

Texas Commission on Environmental Quality
Federal Operating Permit Deviation Report Form
Form Dev Rep (Part 1)

Permit Holder Name	Vopak Terminal Deer Park, Inc.					Customer Number	CN601178734
Area Name	Vopak Terminal Deer Park, Inc.					Account Number	HG-0629-I
Report Period Start Date	March 26, 2013	Report Period End Date	September 25, 2014	Operating Permit Number	O-01068	Report Submittal Date	October 27, 2014

Operating Permit Requirement for Which Deviations are Being Reported

ID Number		Term & Condition No.	Pollutant	Regulatory Requirement Citation	Type of Requirement	SOP or GOP Index Number	Monitoring Method	Monitoring Frequency
Unit ID	Group ID							
T-908	GRPTK5	FOP #O-01068, SC #17; NSR #466A, SC #13	VOC	30 TAC 116.115(c)	Standard	N/A	N/A	N/A

Dev Item No.	STEERS Incident No.	Deviation Period				No. of Dev	Cause of Deviation	Corrective Action Taken to Remedy or Mitigate Deviation Situation
		Start		End				
		Date	Time	Date	Time			
21	N/A	08/20/14	06:00	08/21/14	22:00	2	Minimum required storage tank temperature exceeded 65F.	Vopak continues to monitor / inspect the systems regularly to ensure the system is functioning as designed.
				Total Deviations:		2	Is there a Part 3 Miscellaneous Monitoring/Credible Evidence form supporting this deviation report?	☐ YES ■NO

AIR CO/_____/RP

Texas Commission on Environmental Quality
Federal Operating Permit Deviation Report Form
Form Dev Rep (Part 1)

Permit Holder Name	Vopak Terminal Deer Park, Inc.					Customer Number	CN601178734
Area Name	Vopak Terminal Deer Park, Inc.					Account Number	HG-0629-I
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Operating Permit Requirement for Which Deviations are Being Reported

ID Number		Term & Condition No.	Pollutant	Regulatory Requirement Citation	Type of Requirement	SOP or GOP Index Number	Monitoring Method	Monitoring Frequency
Unit ID	Group ID							
N/A	GRPBD / GRPSD	FOP #O-01068, SC #17; NSR #466A, SC #6	VOC	30 TAC 116.115(c)	Standard	N/A	N/A	N/A

Dev Item No.	STEERS Incident No.	Deviation Period				No. of Dev	Cause of Deviation	Corrective Action Taken to Remedy or Mitigate Deviation Situation
		Start		End				
		Date	Time	Date	Time			
22	N/A	04/05/14	16:35	04/06/14	00:25	1	Maximum allowable barge loading rate may have been exceeded for Piperylene.	Vopak is currently working to phase in the connection of high-level alarm systems to the marine operations control center to better assist internal management of loading activities and respective permit requirements.
23	N/A	04/24/14	15:40	04/24/14	18:30	1	Maximum allowable barge loading rate may have been exceeded Acetic Acid.	Vopak is currently working to phase in the connection of high-level alarm systems to the marine operations control center to better assist internal management of loading activities and respective permit requirements.
24	N/A	04/01/14	08:10	04/01/14	19:30	1	Maximum allowable ship loading rate may have been exceeded Acetic Acid.	Vopak is currently working to phase in the connection of high-level alarm systems to the marine operations control center to better assist internal management of loading activities and respective permit requirements.
25	N/A	03/21/14	00:35	03/21/14	06:30	1	Maximum allowable ship loading rate may have been exceeded Acetic Acid.	Vopak is currently working to phase in the connection of high-level alarm systems to the marine operations control center to better assist internal management of loading activities and respective permit requirements.
					Total Deviations:	4	Is there a Part 3 Miscellaneous Monitoring/Credible Evidence form supporting this deviation report?	☐ YES ■NO

AIR CO/_____/RP

Texas Commission on Environmental Quality
Federal Operating Permit Deviation Report Form
Form Dev Rep (Part 1)

Permit Holder Name	Vopak Terminal Deer Park, Inc.					Customer Number	CN601178734
Area Name	Vopak Terminal Deer Park, Inc.					Account Number	HG-0629-I
Report Period Start Date	March 26, 2013	Report Period End Date	September 25, 2014	Operating Permit Number	O-01068	Report Submittal Date	October 27, 2014

Operating Permit Requirement for Which Deviations are Being Reported

ID Number		Term & Condition No.	Pollutant	Regulatory Requirement Citation	Type of Requirement	SOP or GOP Index Number	Monitoring Method	Monitoring Frequency
Unit ID	Group ID							
N/A	GRPSD	FOP #O-01068, SC #17; NSR #466A, SC #6	VOC	30 TAC 116.115(c)	Standard	N/A	N/A	N/A

Dev Item No.	STEERS Incident No.	Deviation Period				No. of Dev	Cause of Deviation	Corrective Action Taken to Remedy or Mitigate Deviation Situation
		Start		End				
		Date	Time	Date	Time			
26	N/A	03/30/14	03:50	03/30/14	09:10	1	Maximum allowable ship loading rate may have been exceeded Acetic Acid.	Vopak is currently working to phase in the connection of high-level alarm systems to the marine operations control center to better assist internal management of loading activities and respective permit requirements.
27	N/A	08/10/14	16:50	08/11/14	06:30	1	Maximum allowable ship loading rate may have been exceeded Acetic Acid.	Vopak is currently working to phase in the connection of high-level alarm systems to the marine operations control center to better assist internal management of loading activities and respective permit requirements.
28	N/A	09/17/14	04:00	09/17/14	13:30	1	Maximum allowable ship loading rate may have been exceeded Acetic Acid.	Vopak is currently working to phase in the connection of high-level alarm systems to the marine operations control center to better assist internal management of loading activities and respective permit requirements.
Total Deviations:						3	Is there a Part 3 Miscellaneous Monitoring/Credible Evidence form supporting this deviation report?	☐ YES ■NO